

Ninety-second Annual Report
of the
Massachusetts Charitable
Eye and Ear Infirmary

For the Year
1917

THE MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

233 CHARLES STREET, COR. FRUIT STREET, BOSTON

OUT-PATIENT DEPARTMENT

The Out-Patient Department is open daily, excepting Sundays and legal holidays, from 8.30 to 10.30 A.M., for examination and treatment of all poor persons afflicted with disease of the eye or ear. Persons needing treatment in the hospital wards will be advised accordingly. Medicines and glasses are furnished at the Infirmary, but neither prescription nor advice will be sent by mail, express, or messenger.

HOSPITAL

Persons recommended for admission to the hospital wards should apply at the Superintendent's office before 1 P.M. *on weekdays only, excepting legal holidays.*

Accident and emergency cases admitted at any time.

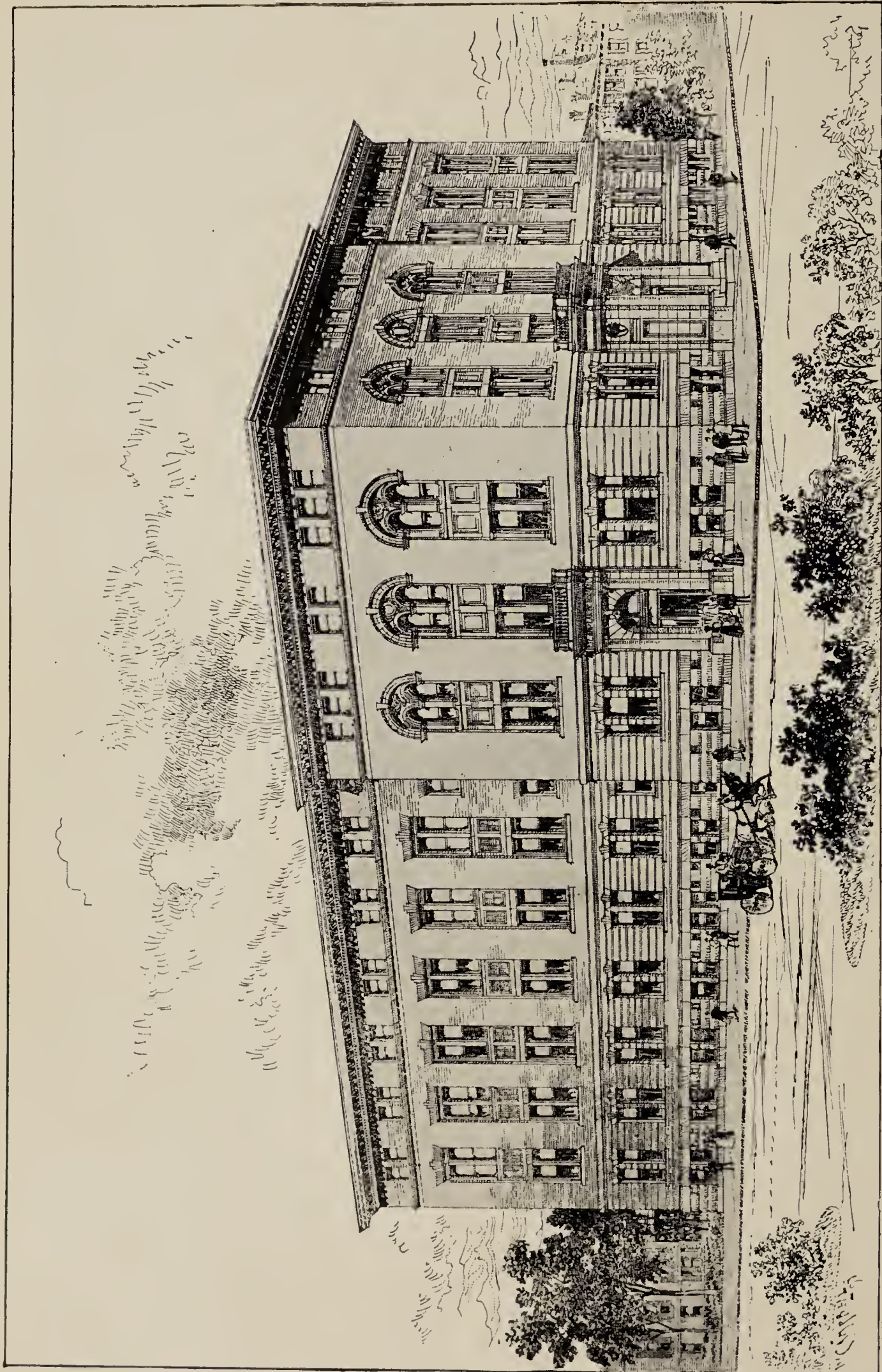
All communications about the Infirmary or any inmate must be addressed to the Superintendent, and should contain the full name of the patient as well as the name and address of the writer.

Persons admitted to the wards as in-patients will be charged for board at the rate of fifteen dollars per week, payable in advance, unless some special arrangement is made by the Superintendent. No reduction in rate of board made to those residing outside the Commonwealth of Massachusetts.

Visitors will be admitted to see patients from 2 to 3 o'clock in the afternoon, and but one visitor a day is allowed to each patient over seven years of age. Children under seven years of age may be visited on Sundays and legal holidays from 2 to 3 P.M., when two visitors are permitted. Visitors may be excluded at any time.

On Sundays and holidays two visitors are allowed each patient.

The Infirmary reserves the right to investigate every case.



MAIN BUILDING, MARCH, 1899

Ninety-second Annual Report
of the
Massachusetts Charitable
Eye and Ear Infirmary

For the Year
1917

Boston
Griffith-Stillings Press
1918



Officers

Board of Managers, 1917 – 1918

GEORGE P. GARDNER
Feb. 1, 1887

HENRY PARKMAN
May 2, 1893

WILLIAM D. SOHIER¹
Jan. 7, 1896

ROBERT HOMANS
May 1, 1900

WILLIAM S. SPAULDING
Feb. 4, 1902

DR. GEORGE B. SHATTUCK
Oct. 30, 1902

WILLIAM C. ENDICOTT
Feb. 3, 1903

RUSSELL G. FESSENDEN
Feb. 3, 1903

HERBERT M. SEARS
Dec. 20, 1905

CHARLES P. CURTIS
Feb. 5, 1907

ROBERT H. STEVENSON, Jr.
Feb. 5, 1907

JOHN LAWRENCE¹
Feb. 5, 1907

JAMES DEAN
June 12, 1914

JAMES C. HOWE
June 12, 1914

President

DR. GEORGE B. SHATTUCK

Secretary

JAMES C. HOWE, 17 Court Street, Boston

Treasurer

HENRY PARKMAN, 53 State Street, Boston

Executive Committee

GEORGE P. GARDNER

HERBERT M. SEARS

JOHN LAWRENCE

Finance Committee

RUSSELL G. FESSENDEN

WILLIAM S. SPAULDING

JAMES DEAN

¹Appointed by the Commonwealth.

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Visiting Committee

January	MR. HOWE	July	MR. PARKMAN
	MR. SEARS		MR. STEVENSON
February . . .	MR. SEARS	August	MR. STEVENSON
	DR. SHATTUCK		MR. HOMANS
March	DR. SHATTUCK	September . . .	MR. HOMANS
	MR. SPAULDING		MR. CURTIS
April	MR. SPAULDING	October	MR. CURTIS
	MR. FESSENDEN		MR. ENDICOTT
May	MR. FESSENDEN	November . . .	MR. ENDICOTT
	MR. DEAN		MR. GARDNER
June	MR. DEAN	December . . .	MR. GARDNER
	MR. PARKMAN		MR. HOWE

Ladies' Visiting Committee

MRS. ROBERT SHAW RUSSELL, <i>Chairman</i>	MRS. HAROLD PEABODY
MRS. REGINALD FOSTER	MRS. GEORGE CABOT LODGE
MISS THERESA L. MERRIAM	MISS CLARA B. WINTHROP
MRS. THOMAS PELHAM CURTIS	MRS. REGIS POST
MISS ALICE FAY	MRS. PIERCE MCGANN
MRS. JOHN L. BREMER	MISS BRED A GROSS

Executive Officers

Superintendent

FREDERIC A. WASHBURN, M.D.

Assistant Superintendent

EUGENE WALKER, M.D.

Surgical Board

Consulting Ophthalmic Surgeons

HENRY W. BRADFORD, M.D.	EDWIN E. JACK, M.D.
H. BECKLES CHANDLER, M.D.	FREDERICK E. CHENEY, M.D.
MYLES STANDISH, M.D.	HENRY H. HASKELL, M.D.

Consulting Aural Surgeons

J. ORNE GREEN, M.D.	CLARENCE J. BLAKE, M.D.
EDWARD M. PLUMMER, M.D.	

OFFICERS

Ophthalmic Chiefs of Service

ALEXANDER QUACKENBOSS, M.D.

Aural Chiefs of Service

FREDERICK L. JACK, M.D.

EUGENE A. CROCKETT, M.D.

Ophthalmic Surgeons

FRED M. SPALDING, M.D.

FREDERICK H. VERHOEFF, M.D.

A. GARDNER MORSE, M.D.

PETER H. THOMPSON, M.D.

GEORGE S. DERBY, M.D.

Aural Surgeons

PHILIP HAMMOND, M.D.

HARRIS P. MOSHER, M.D.

D. HAROLD WALKER, M.D.

WILLIAM F. KNOWLES, M.D.

Assistant Ophthalmic Surgeons

CHARLES D. JONES, M.D.

EDWARD K. ELLIS, M.D.

SAMUEL J. McDONALD, M.D.

WILLIAM N. SOUTER, M.D.

W. HOLBROOK LOWELL, M.D.

WALTER B. LANCASTER, M.D.

GEORGE H. RYDER, M.D.

RALPH A. HATCH, M.D.

HENRY HAWKINS, M.D.

Assistant Aural Surgeons

GEORGE L. TOBEY, Jr., M.D.

FREDERICK L. BOGAN, M.D.

FRANCIS P. EMERSON, M.D.

DANA W. DRURY, M.D.

LEON E. WHITE, M.D.

JOHN H. BLODGETT, M.D.

CALVIN B. FAUNCE, Jr., M.D.

JOHN L. LOUGEE, M.D.

Ophthalmic Clinical Assistants

THOMAS F. CAPELES, M.D.

ROLAND C. MACKENZIE, M.D.

HENRY G. CARROLL, M.D.

GEORGE H. POIRIER, M.D.

HAROLD B. CHANDLER, M.D.

PERCY C. PROCTOR, M.D.

HARVEY J. HOWARD, M.D.

ROSS E. SAVAGE, M.D.

ARTHUR F. JACKLE, M.D.

FREDERICK N. STEPHENS, M.D.

JOHN G. JENNINGS, M.D.

HENRY B. STEVENS, M.D.

WILLIAM LIEBMAN, M.D.

CLARENCE F. WORTHEN, M.D.

Aural Clinical Assistants

NEWTON S. BAKER, M.D.

GEORGE H. POIRIER, M.D.

HARRY P. CAHILL, M.D.

CHARLES T. PORTER, M.D.

FRANKLIN CAMPBELL, M.D.

D. CAMPBELL SMYTH, M.D.

WILLIAM J. HARKINS, M.D.

IRVING SOBOTKY, M.D.

ROBERT J. KISSOCK, M.D.

HAROLD G. TOBEY, M.D.

OLIVER A. LOTHROP, M.D.

WALTER H. YOUNG, M.D.

WILLIAM I. WIGGIN, M.D.

Pathologist

FREDERICK H. VERHOEFF, M.D.

Consulting Neurologists

WALTER E. PAUL, M.D.

JAMES B. AYER, M.D.

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Consulting Surgeons

SAMUEL J. MIXTER, M.D.

LINCOLN DAVIS, M.D.

Consulting Physicians

THEODORE J. EASTMAN, M.D.

HARRY LINENTHAL, M.D.

GERALD BLAKE, M.D.

LESLEY H. SPOONER, M.D.

LOUIS G. MEAD, M.D.

WILLIAM B. ROBBINS, M.D.

Physician to Children

FRITZ B. TALBOT, M.D.

Assistant Physician to Children

RICHARD M. SMITH, M.D.

Assistants in the Care of Children

J. HERBERT YOUNG, M.D.

JOHN W. HAMMOND, Jr., M.D.

LOUIS W. GILBERT, M.D.

ARTHUR A. HOWARD, M.D.

RICHARD S. EUSTIS, M.D.

WILLIAM R. P. EMERSON, M.D.

Consulting Anæsthetist

ARTHUR M. DODGE, M.D.

Roentgenologist

WILLIAM LIEBMAN, M.D.

Refractionists

ROLAND C. MACKENZIE, M.D.

CLARENCE F. WORTHEN, M.D.

House Staff

Ophthalmic House Surgeons

EDWIN B. GOODALL, M.D.

JOSEPH L. DOWLING, M.D.

CLARENCE H. BIRDSALL, M.D.

JOHN R. BURKE, M.D.

Aural House Surgeons

WILLIAM G. MACKECHNIE, M.D.

ARMOND A. HALLIDAY, M.D.

FRED A. SIMMONS, M.D.

JOHN J. GILBERT, M.D.

Superintendent of Nurses

MARY COONAHAN, R.N.

Chief of Social Service

IDA M. CANNON

Report of the Board of Managers

THE Massachusetts Charitable Eye and Ear Infirmary was incorporated by a Special Act of the Legislature on February 23, 1827. Since that time an enormous amount of charitable work has been done. The Infirmary is the second oldest hospital in New England and has a capacity of 219 beds (main Hospital 161 beds, Gardner Building 33 beds, and Private Ward 25 beds); an Out-Patient Department; a Special Building containing the above-named 33 beds for the treatment of infectious ophthalmia and of contagious diseases developed in the wards of the Infirmary; a Pathological Laboratory; and a Nurses' Home, which make the Infirmary the largest hospital in the world for the treatment of diseases of the eye and ear.

During the past year, as shown in the Report of the Superintendent, the total number of patients admitted to the wards of the Hospital and treated in the Out-Patient Department was 81,727 (House Patients 4,666, Out-Patients 77,061).

HOUSE PATIENTS				
Ophthalmic wards	.	.	.	1,730
Aural wards	.	.	.	2,936
				<hr/>
Total number treated	.	.	.	4,666
OUT-PATIENT DEPARTMENT				
<i>New Patients</i>				
Ophthalmic				
Males	.	.	.	10,727
Females	.	.	.	8,604
				<hr/>
Aural				
Males	.	.	.	5,815
Females	.	.	.	4,470
				<hr/>
<i>Old Patients</i>				
Ophthalmic	.	.	.	27,936
Aural	.	.	.	19,509
				<hr/>
				<hr/>
				47,445
				<hr/>
				77,061
				<hr/>
				81,727

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Of the House Patients 2,712 were males, 1,954 were females; of whom 1,727 were children under fourteen years of age. Daily average of patients was 137+; total number of days' board furnished, 52,023; for 22,930 days' board something was paid, and 29,093 days' board were free.

Of the Out-Patients (new) 10,316 came from Boston; 19,054 from Massachusetts outside of Boston; 219 from other New England States (the largest number from the State of New Hampshire); 20 from other States; and 7 from Canada.

Gardner Building

The Gardner Building has been of untold benefit, for therein every effort is made to prevent blindness, the value of which cannot be estimated. The cases herein treated were 243, and 127 of these cases were infants under one and one half years of age. Thirty-five cases were transferred from the Infirmary, owing to infectious diseases which developed in the general wards.

An Endowment Fund is sadly needed to pay the running expenses of this building, in which case more children threatened with blindness could be treated. This is the most expensive part of the Infirmary to run, owing to the difficult and dangerous problems which are inseparable from the class of work done. A generous contribution of \$5,000 was made by a friend of the Infirmary in 1912 towards this worthy cause.

Pathological Laboratory

The pathological specimens accumulated during the last seventeen years now form a very complete collection of pathological specimens of the eye, probably the most complete collection extant. Every effort should be made to encourage research in ophthalmology.

Post-Graduate Training School for Nurses

Twenty-two years ago the Board of Managers established a Post-Graduate Training School for Nurses. Its object was to train a group of women in the care of the eye, ear, nose, and

REPORT OF THE BOARD OF MANAGERS

throat in such manner that it might become a great factor in saving sight and hearing. Students have come from all countries, and after graduating have taken positions, giving the benefit of their knowledge far away from the Infirmary. Up to the present year there have been 442 graduates. Lectures, courses, and demonstrations are given to the students, and special instruction is also given in the operating rooms, in preparing infants' food and in social service work. The subjects covered were:

The Anatomy and Physiology of the Eye, Ear, Nose, and Throat.
The Nursing of the Diseases of the Eye, Ear, Nose, and Throat.
Refraction; Bacteriology, and Materia Medica, pertaining to
Otology and Ophthalmology.

Methods of teaching the Blind and Deaf.

Contagion.

Certain students from the Massachusetts General Hospital have during the past year taken a sixty days' course, and it is hoped that an arrangement can be made so that students from other representative schools may profit by the courses given.

Ladies' Visiting Committee

The Ladies' Visiting Committee, of which Mrs. Robert Shaw Russell is Chairman, authorized by the Board of Managers, has proved of value to the Infirmary and has great possibilities for the future. These ladies take turns in visiting the Infirmary and assist and cheer patients far from home who would not otherwise have visitors. They have given the Infirmary money for the salary of a social worker, who visits patients within the wards, plans for their occupation and amusement, and acts as an agent of this committee in directing them to patients who can be best assisted.

This committee has done good work and has been generous in many ways.

War Services of Staff

As a matter of history we would like to record the names of the following physicians and surgeons who have given their services to their country in its hour of need:

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

FRANCE

FREDERICK L. BOGAN, Major.
LINCOLN DAVIS, Major.
GEORGE S. DERBY, Captain.
RALPH A. HATCH, Lieutenant.
JAMES B. MONTGOMERY, Lieutenant.
HARRIS P. MOSHER, Major.
HAROLD G. TOBEY, Lieutenant.
FREDERIC A. WASHBURN, Major.
WILLIAM I. WIGGIN, Lieutenant.

GREECE

EUGENE A. CROCKETT, Major.

UNITED STATES

CLARENCE H. BIRDSALL, Lieutenant.
HARRY P. CAHILL, Captain.
FRANKLIN CAMPBELL, Passed Assistant Surgeon.
HAROLD B. CHANDLER, Lieutenant.
DANA W. DRURY, Major.
RICHARD S. EUSTIS, Lieutenant.
JOHN G. JENNINGS, Lieutenant.
JOHN W. HAMMOND, Jr., Assistant Surgeon.
ROBERT J. KISSOCK, Captain.
WILLIAM F. KNOWLES, Major.
WALTER B. LANCASTER, Major.
CHARLES T. PORTER, Lieutenant.
WILLIAM N. SOUTER, Captain.
LESLEY H. SPOONER, Captain.
ALEXANDER QUACKENBOSS, Major.

Others connected with the Infirmary have offered their services to the Government who for various reasons have been refused. It is only through their services — the nature of which has in many cases been doubled — that the Infirmary has been able to carry on its work.

Social Service Department

In common with other departments of the Infirmary this Department has made satisfactory progress. Social Service has

REPORT OF THE BOARD OF MANAGERS

been extended into the wards of the Infirmary. This was made possible through the generosity of the Ladies' Visiting Committee, who paid the salary of a worker.

In order to carry this work further an Endowment Fund is needed. In 1912, through the generosity of a friend of the Infirmary, \$5,000 was given towards this end.

RECEIPTS

Gifts	\$647.00
Income from Sears Fund	960.00
Income from Brooks Fund	250.00
Gifts from Mrs. Russell	800.00
Gifts from Mrs. Curtis	500.00
Gifts through Superintendent	913.00
Transferred from Income	2,608.46
	<hr/>
	\$6,678.46

Maintenance

The expenses and responsibilities of a hospital must each year increase rather than decrease, in order to carry on the work as the Board of Managers feel it should be done. Yearly contributions or gifts towards any special branch of the work of the Infirmary which happen to appeal to an individual are earnestly solicited.

The new building, completed in 1899, enabled the Managers to take care of a greater number of patients; but every year (with the exception of one) since that time there has been a deficit, varying from two to twenty-three thousand dollars, due in part to the Social Service work of the Infirmary. Deficits, however, cannot go on indefinitely.

The total cost of maintenance of the Hospital proper, Out-Patient Department, Gardner Building for Infectious Diseases, Pathological Laboratory, X-Ray Department, Social Service Department, and Nurses' Home was \$180,611.23.

The cost per week per house patient was \$24.30.

The cost of subsistence per inmate per day was .27+.

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Improvements

During the past year minor changes have been made which have added greatly to the comfort of the staff and inmates of the Infirmary:

A bookcase, the gift of Mr. Lawrence, was erected on the fourth floor.

The main entrance has been changed from Fruit Street to Charles Street, and an information bureau has been established, doing away with the necessity of using the basement for administration purposes.

Fire doors installed in clinic.

Fire alarm placed near telephone switchboard.

Vision room equipped with indirect lighting.

Steam pipes installed in eye operating room to do away with the dust which used to come in under the indirect heating method.

New mattresses, together with other supplies, have been purchased in preparation for any demand the Government might make upon us.

The Board of Managers desires to acknowledge with thanks the following gifts received during the past year:

DONATIONS

J. A. L. Blake	\$10.00	Mr. Henry D. Lloyd .	\$20.00
Mrs. Allston Burr . .	10.00	T. J. Mahoney . . .	10.00
Mr. John Chandler .	8.25	Mass. Humane Society	500.00
Mrs. Admah Coughlin.	5.00	Miss Theresa Merriam	25.00
Mr. Dean	5.00	Mr. W. C. Richardson	5.00
Mrs. Zephemia Garron	4.25	Mr. Herbert M. Sears	102.00
Miss Christina Larsen	1.00	Mrs. F. A. Washburn .	1.00
			<hr/>
			\$706.50

FOR CHRISTMAS ENTERTAINMENT

Anonymous	\$5.00	Dr. Frederick T. Hill .	\$5.00
Anonymous	1.60	Mr. James Marshall .	2.00
Mr. James Dean . . .	10.00	Miss Dorothy Mattress	2.00
Mr. Russell G. Fessenden	39.20	Mrs. Robert S. Russell	25.00
			<hr/>
			\$89.80

REPORT OF THE BOARD OF MANAGERS

SOCIAL SERVICE

Emergency Fund

W. E. Sarginson	\$5.00	Mrs. Robert S. Russell	\$131.00	\$136.00
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To Dr. D. HAROLD WALKER toward the salary of an Ear Social Service Worker:

C. Q. Adams \$55.00	George L. Ilsley . . . \$10.00
James W. Austin . . . 5.00	Charles C. Jackson . . 25.00
Charles S. Bird . . . 50.00	Mrs. Ellen Kenney . . 5.00
E. J. Bliss 10.00	Mrs. Jesse Koshland . 10.00
Alfred Bowditch . . . 50.00	J. H. Lemon 20.00
Hannah T. Brown . . . 5.00	Louis Levisieur . . . 10.00
H. W. Cook 25.00	Walter C. Lewis . . . 10.00
George M. Coss . . . 25.00	Emmeline D. Lockwood 10.00
J. A. Cousens 5.00	F. A. Merrill 20.00
James Dean 25.00	Mr. Francis Parker . . 10.00
Mary F. Dodge . . . 5.00	W. Y. Peters 25.00
W. Arthur Dupee . . . 25.00	Mrs. Helen I. Rotch . . 10.00
Harry Dutton 25.00	Dr. Henry F. Sears . . 50.00
Richard C. Floyd . . . 10.00	Robert L. Studley . . 10.00
Samuel Hecht 150.00	Dr. D. Harold Walker . 25.00
Mrs. Edith R. Hill . . 25.00	Mrs. A. W. Weld . . . 10.00
T. C. Hollander . . . 10.00	Isabel Wesson 2.00
George E. Howe . . . 10.00	
	\$777.00
	<hr/>
	\$1,709.30

Books and Magazines: Miss Cornelia M. Smith, Mr. Leroy E. Parkins, Dr. D. Harold Walker, Miss Theresa Merriam, The Rev. Mr. Simpson, Miss Mirriam Davison, Mrs. F. A. Brummitt, Mrs. John Lawrence, Miss Margaret Kuzlu, Mrs. Reginald Foster, Mrs. Robert S. Russell, Mrs. John Seaverns, Miss Dorothy Mattress, Miss Ida M. Cannon, Dr. William Liebman, Miss M. Thompson, Mrs. Dolliver, of Tremont Temple, Mr. George Wooley, and the Old Corner Book Store.

Children's Garments: Jamaica Plain Needlework Guild, Mrs. F. A. Brummitt, Mr. Frank Foisie, Mr. Harold Peabody.

Glasses: E. L. Whitman, Mrs. Gamaliel Bradford, Mrs. C. E. Cotting, Mrs. George Monks, Anonymous.

Ear Trumpets: Mrs. E. W. Emerson, Anonymous.

Flowers: Miss Clark, Mrs. Margaret Deland, Mr. H. Bradlee Fenno, Mrs. Reginald Foster.

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Fruit: Miss Margaret Kuzlu.

Toys: Mrs. Francis Curtis, Mrs. Robert S. Russell.

Picture Post Cards: Junior Auxiliary of Church of Holy Spirit, Mattapan.

Knit bandages: Mrs. G. A. King, Mrs. Charles Wells, Miss Jessie M. C. Hume.

Through the kindness and generosity of the following persons we were enabled to have a large Christmas tree, with presents for over two hundred patients and employees:

Mr. Charles P. Curtis	Mrs. Robert S. Russell
Mr. James Dean	Anonymous
Mr. William C. Endicott	Episcopal City Missions
Mr. Russell G. Fessenden	Miss Faulkner
Mr. George P. Gardner	Dr. Ralph A. Hatch
Mr. Robert Homans	Dr. Frederick T. Hill
Mr. James C. Howe	Miss Jessie M. C. Hume
Mr. John Lawrence	Mr. James Marshall
Mr. Henry Parkman	Miss Dorothy Mattress
Mr. Herbert M. Sears	Mr. Thompson
Dr. George B. Shattuck	Miss Dorothy Wilkey
Mr. William D. Sohier	Childs, Sleeper & Co.
Mr. William S. Spaulding	L. C. Fisher Co.
Mr. Robert H. Stevenson, Jr.	Marshall Johnson & Sons

WILLIAM C. ENDICOTT,
JAMES DEAN,
JAMES C. HOWE,
Committee of the Board of Managers.

Report of the Treasurer

Income, Receipts, and Disbursements

For the Year Ending September 30, 1917

INCOME		
Received from investments	\$26,273.75	
Received interest on deposits	467.33	
Received from State Treasurer	45,000.00	
Received from estate R. B. Brigham	1,000.00	
Received from estate E. V. Ashton	2,000.00	
Received from gifts	647.00	
Received rebate on insurance	14.16	
	<hr/>	\$75,402.24
<i>Received by Superintendent (per his report):</i>		
Board of patients	\$25,722.88	
Out-Patient Department	9,953.40	
Medicines	10,447.34	
Optical Department	26,904.77	
X-Ray Department	1,436.73	
Miscellaneous	25,972.89	
Donations	149.30	
	<hr/>	\$100,587.31
<i>Expenses:</i>		\$175,989.55
Running expenses per Superintendent's account .	\$172,819.20	
Sundries, insurance, auditors, etc.	835.27	
	<hr/>	\$173,654.47
Gifts to Social Service Work	\$647.00	
Transferred from income account	2,608.46	3,255.46
	<hr/>	
Deficit		920.38
	<hr/>	
	\$176,909.93	\$176,909.93

SOCIAL SERVICE WORK		
Received from gifts	\$647.00	
Received from Sears Fund	960.00	
Received from Mrs. Russell	800.00	
Received from Mrs. Curtis	500.00	
Received from Brooks Fund	250.00	
Received by Superintendent	913.00	
Received from income account.	2,608.46	
	<hr/>	\$6,678.46

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Expenditures:

Wages	\$6,258.46	
Stationery, printing, etc.	84.51	
Street-car and railroad fares	140.30	
Postage stamps, telephone, and sundries	195.19	
		<hr/>
		\$6,678.46

INVESTMENTS

Railroad Bonds

Book Value		Par Value
\$8,785.78	{ Atchison, Topeka & Santa Fé Ry. Gen. Mtg. 4% Atchison, Topeka & Santa Fé Ry. Adjustment 4%	{ \$11,500.00
4,545.40	Atchison, Topeka & Santa Fé Ry. Convertible 4%	5,000.00
9,925.00	Boston & Albany R.R. Improvement 4%	10,000.00
10,325.00	Canadian Pacific Ry. 6%	10,000.00
10,637.50	Chicago, Milwaukee & St. Paul R.R. 6%	10,000.00
10,287.50	Chicago, Burlington & Quincy R.R., Ill. Div., 4%	10,000.00
5,244.00	Cincinnati, Indianapolis, St. Louis & Chicago 6%	5,000.00
24,900.00	Chicago Junction Rys. & Union Stock Yards Mortgage 4%	25,000.00
10,400.00	Chesapeake & Ohio General Mortgage 4½%	10,000.00
10,500.00	Chicago City Ry. 5%	10,000.00
10,675.00	Fitchburg R.R. 4%	10,000.00
10,000.00	Iowa Falls & Sioux City 7%	10,000.00
4,502.50	Kansas City, Clinton & Springfield 5%	5,000.00
9,095.00	{ Kansas City, Memphis & Birmingham 4% Kansas City, Memphis & Birmingham 5%	{ 13,500.00
10,008.50	Kansas City, Memphis Ry. & Bridge Co. 5%	10,000.00
24,012.50	Long Island R.R. 4%	25,000.00
8,100.00	Michigan Cent. R.R. 3½%	10,000.00
13,776.70	New York Central & Hudson River R.R. 3½%	15,000.00
9,960.00	Northern Pacific Ry. 3%	15,000.00
9,450.00	Oregon Short Line 4%	10,000.00
10,000.00	St. Johnsbury & Lake Champlain 5%	10,000.00
<hr/>		<hr/>
\$225,130.38		\$240,000.00

MISCELLANEOUS BONDS

Book Value		Par Value
\$4,712.50	American Agricultural Chemical Co. 5%	\$5,000.00
19,271.53	American Tel. & Tel. Coll. Tr. 4%	21,000.00
4,934.37	American Tel. & Tel. Coll. Tr. 5%	5,000.00
8,000.00	Butte Electric & Power Co. 5%	8,000.00
9,550.00	California Gas & Electric Corporation 5%	10,000.00
14,700.00	Detroit Edison Co. 5%	15,000.00
<hr/>		<hr/>
\$61,168.40	Amounts carried forward	\$64,000.00

REPORT OF THE TREASURER

<i>Book Value</i>		<i>Par Value</i>
\$61,168.40	<i>Amounts brought forward</i>	\$64,000.00
4,582.64	Edison Electric Co. of Los Angeles 5%	5,000.00
9,850.00	Georgia Ry. & Electric Co. 5%	10,000.00
6,965.00	Louisville & Jeffersonville Bridge Co. 4%	7,000.00
4,900.00	Mass. Elec. Co. 5%	5,000.00
6,700.00	Mass. Hospital Life Ins. Co.	6,700.00
5,055.00	National Tube Co.	5,000.00
5,425.00	New York City 4½%	5,000.00
15,000.00	New Eng. Tel. & Tel. 5%	15,000.00
9,900.00	Republic France Conv. 5½%	10,000.00
3,000.00	Savannah Electric Co. 5%	3,000.00
10,600.00	Seattle Electric Co. 5%	10,000.00
5,037.50	Southern Bell Tel. 5%	5,000.00
9,800.00	Southern California Edison Co. 5%	10,000.00
5,100.00	State of Massachusetts 3%	5,000.00
4,993.75	Swift & Co. 5%	5,000.00
10,150.00	Tacoma Ry. & Power Co. 5%	10,000.00
4,975.00	United Electric Securities Co. 5%	5,000.00
9,850.00	United Kingdom, Great Britain and Ireland 5½%	10,000.00
14,693.75	United States Steel Corp. 5%	15,000.00
<u>\$207,746.04</u>		<u>\$210,700.00</u>

RAILROAD STOCKS

<i>No. of Shares</i>		<i>Book Value</i>
135	Atchison, Topeka & Santa Fé Ry. Preferred	\$10,792.66
16	Boston & Maine R.R. Common	840.00
2	Boston & Providence R.R.	510.00
100	Chicago Junction Rys. & Union Stock Yards Preferred	11,907.50
25	Concord & Montreal R.R.	1,346.25
62	Chicago & Northwestern R.R. Common	7,981.25
21	Fitchburg R.R. Preferred	2,063.13
20	Manchester & Lawrence R.R.	1,830.00
100	Manhattan Railway	14,187.50
50	New York Central & Hudson River R.R.	5,881.25
4	New York, New Haven & Hartford R.R.	315.50
15	Northern R.R.	1,215.00
100	Union Pacific R.R. Preferred	8,156.25
5	Vermont & Mass. R.R.	410.00
		<u>\$67,436.29</u>

REAL ESTATE

<i>No. of Shares</i>		<i>Book Value</i>
15	Boston Ground Rent Trust	\$1,500.00
10	Boston Real Estate Trust	10,260.75
2	Devonshire Building Trust	200.00
5	Providence Building Trust	500.00
5	Warren Chambers Trust	500.00
		<u>\$12,960.75</u>

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

MISCELLANEOUS STOCKS

<i>No. of Shares</i>		<i>Book Value</i>
100	American Sugar Refining Co. Preferred	\$11,680.75
246	American Tel. & Tel. Co.	30,286.62
3	Walter Baker Co., Ltd.	1,200.00
250	Ballard Vale Mills Preferred	25,000.00
9	Boston Personal Property Trust	990.00
3	Edison Electric Illuminating Co.	781.50
58	Mass. Elec. Preferred	5,000.00
3	N. E. Tel. & Tel.	399.75
104	West End St. Ry. Common	7,518.70
8	Western Union Tel. Co.	504.00
		<hr/>
		\$83,361.32

SUMMARY

Stocks and Bonds: Investments (book value).	\$596,634.78
New Infirmary	347,400.44
Nurses' Home, land and building	204,205.27
Laboratory	11,735.91
Cash on hand and in Superintendent's hands	21,427.12
	<hr/>
	\$1,181,403.52

LIABILITIES

Capital, including various funds and legacies	\$1,181,403.52
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Report of the Superintendent

TO THE BOARD OF MANAGERS:

Gentlemen: Owing to the absence of our Superintendent, Dr. Frederic A. Washburn, with the U. S. Army Hospital No. 4 in France, I have the honor of submitting the report for him.

The past year has been a difficult one for the Infirmary. Our expenses have increased considerably, and but for the revenue of the private floor and the co-operation of the officers, nurses, and employees, we would have had a much larger deficit than is revealed.

More patients have been treated in the hospital, with a lesser number of days treatment; this points to more efficient work by the staff in limiting wasted effort on hopelessly chronic cases.

About forty per cent of our men are working for the Government, leaving the hospital very badly handicapped for doctors. The staff which remains has helped to run and maintain the clinics to the very best of their ability. At times this has been extremely difficult and has thrown a great deal of work on the house officers, who have responded admirably.

The Ladies' Visiting Committee has again contributed the salary for a social worker in the wards. Their continued interest in the patients has been of great inspiration and help to them.

Through personal appeal to his friends and patients, Dr. D. Harold Walker has obtained sufficient donations to pay the salary of a social worker in the ear clinic. Her study has revealed a much higher percentage of deaf-mutes than any one realized, and calls attention to the fact that a Commission for the Deaf is needed as much as the Commission for the Blind.

A follow-up system has been installed in the eye clinic by means of which we hope to save the sight of many patients suffering from acute diseases.

From October 1, 1916, to September 30, 1917, five hundred patients who were not considered suitable charity cases were refused admission to the clinics of the Infirmary and referred to the doctors on our staff. One hundred and ten patients were

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

directed to other hospitals for diseases which we considered they were better equipped to treat. This shows an increased interest in the financial status of the patients we admit to the Infirmary, and that, as far as possible, any abuse of our charity is minimized.

Attention is called to the tables of statistics which follow.

I wish to express my appreciation to your Board for the manner in which you aided me on the numerous occasions it was necessary to appeal to you.

REPORT OF THE SUPERINTENDENT

Statistics of House Patients

The total number of patients treated in the wards was 4,666.

Of the 4,666 house patients, 2,712 were males and 1,954 were females.

Number of patients treated in ophthalmic wards	1,730
Number of patients treated in aural wards	2,936

Of this number 243 were treated in the Gardner Building for infectious diseases; 127 of these were infants under one and one half years of age. A report on the special work in the Gardner Building follows. The average number of patients treated daily in this building was 14+.

Number of children treated in the wards:

Under 2 years of age	256
From 2 to 7 years of age	600
From 7 to 14 years of age	871
	<hr/> 1,727

The average number of patients treated daily in the wards was 137+.

The largest number of house patients treated on any one day was 170; the smallest number, 87.

Number of free patients	1,385
Number of patients admitted at \$15.00 per week	820
Number of patients admitted at \$10.50 per week	950
Number of patients admitted at less than \$10.50 per week	912

Private Patients

Number of patients admitted at \$56.00 per week	11
Number of patients admitted at 35.00 per week	240
Number of patients admitted at 28.00 per week	33
Number of patients admitted at 24.50 per week	6
Number of patients admitted at 17.50 per week	309

The average stay per patient in the hospital under treatment was 11+ days.

52,023 days' board was furnished to patients. For 22,930 days' board something was paid, and 29,093 days' board were free.

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Residences of House Patients

Boston	1,513	Connecticut	8
Massachusetts	2,968	Other States	18
Maine	30	Canada	4
New Hampshire	95		
Vermont	15	Total	4,666
Rhode Island	15		

Occupations of House Patients

MALES, OPHTHALMIC

Agents	1	Pensioners	4
Bakers	3	Plumbers	6
Barbers	6	Policemen	3
Blacksmiths	5	Porters	8
Butchers	1	Printers	4
Carpenters	32	Railroad employees	20
Chauffeurs	6	Salesmen	5
Clerks	22	Seamen and fishermen	14
Cooks	6	Shippers	3
Electricians	6	Shoemakers	1
Engineers	5	Soldiers	1
Farmers	15	Students	7
Firemen	3	Stonecutters	13
Gardeners	5	Storekeepers	6
Janitors	11	Tailors	10
Laborers	85	Teachers	1
Letter carriers	6	Teamsters	15
Machinists	50	Waiters	3
Masons	9	Watchmen	4
Metal workers and moulders	20	Upholsterers	2
Mill and factory operatives	117	Unclassified	210
Nurses	2	Minors	307
Painters and glaziers	9		
Pedlers	4	Total	1,076

MALES, AURAL

Agents	2	Draftsmen	3
Bakers and cooks	10	Electricians	10
Barbers	6	Engineers	7
Blacksmiths	5	Farmers	10
Bookkeepers	3	Firemen	8
Butchers	3	Gardeners	8
Carpenters and woodworkers	23	Janitors	6
Chauffeurs	15	Laborers	61
Clerks	76	Lawyers	4
Clergymen	3	Letter-carriers	5

REPORT OF THE SUPERINTENDENT

Machinists	48	Shoemakers	18
Messengers	4	Storekeepers	7
Metal workers and moulders	9	Soldiers	14
Mill and factory operators	158	Waiters	14
Painters and glaziers	6	Watchmen	2
Plumbers	5	Railroad employees	21
Policemen	7	Students	59
Porters	13	Tailors	7
Pedlers	7	Teachers	5
Physicians	7	Teamsters	24
Printers	8	Minors	790
Salesmen	28	Unclassified	72
Seamen and fishermen	12		
Shippers	17	Total	1,636
Stenographers	6		

FEMALES, OPHTHALMIC

Bookkeepers	5	Saleswomen	3
Clerks	11	Stenographers	3
Cooks	3	Students	4
Domestics	77	Waitresses	5
Dressmakers	7	Minors	232
Housewives	175	Unclassified	96
Mill and factory operatives	27		
Nurses	6	Total	654

FEMALES, AURAL

Attendants	8	Saleswomen	5
Bookkeepers	5	Stenographers	19
Clerks	29	Students	30
Cooks	5	Social Service workers	3
Domestics	125	Teachers	5
Dressmakers	13	Telephone operators	6
Housewives	193	Waitresses	17
Laundresses	6	Minors	686
Mill and factory operatives	87	Unclassified	24
Milliners	3		
Nurses	28	Total	1,300
Physicians	3		

Condition of House Patients at Discharge

431 were well.	38 died.
3,888 were relieved.	22 were transferred to other hos-
123 were not relieved.	pitals for different diseases.
29 left against advice.	126 remaining in hospital Sep-
9 were not treated.	tember 30, 1917.

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Number of Operations

In the Ophthalmic Department there were 1,282 operations performed in the House and 2,376 in the Out-Patient.

In the Aural Department there were 2,919 operations performed in the House and 1,977 in the Out-Patient.

Out-Patient Department

New Patients treated:			
Ophthalmic: Males	. . . . .	10,727	
Females	. . . . .	8,604	19,331
		<hr/>	<hr/>
Aural: Males	. . . . .	5,815	
Females	. . . . .	4,470	10,285
		<hr/>	<hr/>
Total	. . . . .		29,616
Old Patients treated:			
Ophthalmic	. . . . .	27,936	
Aural	. . . . .	19,509	47,445
		<hr/>	<hr/>
Total visits in Out-Patient Department			77,061

Residences of Out-Patients

Boston	. . . . .	10,316	Connecticut	. . . . .	9
Massachusetts	. . . . .	19,054	Other States	. . . . .	20
Maine	. . . . .	27	Canada	. . . . .	7
New Hampshire	. . . . .	144			<hr/>
Vermont	. . . . .	13	Total	. . . . .	29,616
Rhode Island	. . . . .	26			

Occupations of Out-Patients

Actors	. . . . .	6	Bookbinders	. . . . .	36
Agents	. . . . .	44	Bookkeepers	. . . . .	115
Barbers	. . . . .	139	Butchers	. . . . .	47
Bakers	. . . . .	77	Carpenters	. . . . .	377
Blacksmiths	. . . . .	105	Chauffeurs	. . . . .	182

REPORT OF THE SUPERINTENDENT

Clergymen	18	Painters	176
Clerks	1,108	Pedlers	154
Coachmen and hostlers . .	25	Pensioners	104
Compositors and printers .	119	Photographers	7
Cooks	107	Physicians and dentists . .	20
Domestics	928	Plumbers	116
Draftsmen	24	Policemen and letter carriers	84
Electricians	108	Porters	62
Engineers	83	Railroad employees . . .	278
Engravers	16	Seamstresses	252
Farmers	91	Shoemakers	93
Firemen	163	Soldiers	104
Fishermen	71	Stenographers	170
Housewives	4,318	Stonecutters	51
Hotel keepers	18	Storekeepers	14
Laborers	1,477	Students	135
Lawyers	4	Tailors	324
Machinists	1,140	Teachers	71
Masons	75	Teamsters	352
Messengers	59	Telephone operators . . .	85
Mill and factory employees	3,132	Waiters	281
Milliners	29	Unclassified	3,062
Moulders and iron-workers	236	Minors	8,991
Musicians	17		
Nurses	136	Total	29,616

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Comparative Financial Statements

For the Fiscal Years 1916 and 1917

OPERATING EXPENSES		1917	1916	HOSPITAL RECEIPTS		1917	1916
SALARIES AND WAGES							
Officers and Clerks		\$7,954.87	\$7,712.18	Board of Patients		\$25,722.88	\$25,855.87
Telephone Operators		1,299.84	828.82	X-Rays		1,436.73	1,042.15
Out-Patient Department Clerks		4,036.87	2,987.28	Wassermann Tests		255.00	369.00
Social Service Workers		6,258.46	5,362.86	Special Nurses		175.00	873.00
Druggists		1,828.61	1,781.09	Optical		26,904.77	24,033.69
Opticians		2,905.56	2,614.03	Apothecary		10,447.34	10,564.01
Refractionists		1,240.56	1,300.00	Admission Fees, Out-Patient Department		9,953.40	7,394.90
Supt. of Nurses and Assistants		2,640.00	2,535.00	Throat Patients' Board		2,503.40	2,206.55
Head Nurses and Assistants		8,713.24	6,306.82	Records		307.50	265.75
Post Graduate Nurses		1,224.00	802.00	Certificates		143.72	164.30
Pupil Nurses		633.84	438.21	Telephone		181.27	97.34
Special Nurses		2,355.63	1,625.21	Interest		135.35	135.45
Attendant Nurses		5,386.99	4,767.01	Stamps		78.89	54.93
Orderlies		4,289.00	3,466.10	Grease, Bones, Boxes, Barrels, and Junk		117.02	144.39
Ward Maids		1,606.92	1,301.98	Miscellaneous		852.54	844.18
X-Ray Department		1,471.23	1,260.08	Board, Private Patients		12,966.00	
Pathological Laboratory		1,578.90	1,675.44	Operating Room Fees, Private Patients		5,528.00	
Store		60.00	60.00	Wassermann Tests, Private Patients		33.00	
Housekeeping and Kitchen		12,806.45	9,555.06	X-Rays, Private Patients		440.00	
Laundry		3,867.62	2,952.42	Miscellaneous, Private Patients		44.20	
Maintenance, Property, and Plant		6,403.21	7,592.42	Special Nurses, Private Patients		2,212.00	
TOTAL SALARIES AND WAGES		\$78,561.80	\$66,924.01	TOTAL HOSPITAL RECEIPTS		\$100,438.01	\$74,045.51

REPORT OF THE SUPERINTENDENT

OPERATING EXPENSES		1917	1916	SUMMARY		1917	1916
SUPPLIES				OPERATING EXPENSES			
General Administration Expenses		\$5,336.80	\$4,824.29	Salaries and Wages		\$78,561.80	\$66,924.01
Apparatus and Instruments		1,952.91	1,930.37	Supplies		102,049.43	87,057.02
Medical and Surgical Supplies		12,963.60	9,564.05	TOTAL EXPENSES		\$180,611.23	\$153,981.03
Wassermann Tests		162.00	260.00				
X-Rays		587.16	447.01	Hospital Receipts		100,438.01	74,045.51
Optical Supplies		8,382.02	7,476.24	Necessary to balance account		80,173.22	79,935.52
Housekeeping and Kitchen Supplies		10,943.41	7,466.48	TOTAL		\$180,611.23	\$153,981.03
Laundry Supplies		738.96	550.31				
Meat, Poultry, and Fish		10,030.12	9,461.21	Hospital Receipts		\$100,438.01	\$74,045.51
Fruit and Vegetables		3,657.68	3,394.93	From Treasurer		82,600.00	76,500.00
Bread and Flour		2,249.81	1,567.18	Donations		149.30	
Milk and Cream		6,070.28	4,719.67	Donations, Social Service		913.00	
Groceries		5,480.53	4,629.34	TOTAL RECEIPTS		\$184,100.31	\$150,545.51
Butter and Eggs		4,586.64	3,657.35	Oct. 1, 1916, Debit bal.	\$3,380.37		
Gas		356.40	677.68	Oct. 1, 1917, Cash on hand	108.71		
Electric Lighting, Nurses' Home		557.90	509.95			\$3,489.08	
Heat, Light, and Power, Hospital Buildings		13,344.19	9,999.96	Oct. 1, 1915, Cash on hand	\$55.15		
Ice		1,256.16	1,215.13	Oct. 1, 1916, Debit bal.	3,380.37		
Fuel, Hospital Buildings		547.40	510.64				\$3,435.52
Fuel, Nurses' Home		1,342.26	1,035.26	TOTAL		\$180,611.23	\$153,981.03
Water, Hospital Buildings		1,327.20	1,754.40				
Water, Nurses' Home		270.00	254.45				
Maintenance, Property, and Plant		8,385.87	10,047.64				
Refunds		1,174.10	614.42				
Miscellaneous		346.03	489.06				
TOTAL SUPPLIES		\$102,049.43	\$87,057.02				

Special Report on the Work of the Gardner Building

During the past year 243 patients were treated in the special wards of the Gardner Building. Of these there were 63 cases of gonorrheal ophthalmia neonatorum and 42 cases of non-gonorrheal ophthalmia neonatorum. At the time of entrance the cornea was involved in 7 cases of gonorrhea, 4 of these being clear on discharge. At the time of entrance the cornea was involved in 3 cases of non-gonorrhea, one of these being clear on discharge. The cornea was not involved in any case of ophthalmia neonatorum after admission.

There were also 23 cases of trachoma, 16 cases of gonorrheal conjunctivitis, 48 cases of non-gonorrheal conjunctivitis, and 4 cases of gonorrheal vaginitis treated.

One Saemisch's operation was performed.

Thirty-five patients were transferred to the Gardner Building for measles, scarlet fever, pertussis, erysipelas, diphtheria, chicken pox, acute tonsillitis, and other infectious diseases which manifested themselves in the general wards of the hospital.

REPORT OF THE SUPERINTENDENT

A Comparative Report of the Work of the Infirmary for the Last Ten Years

Report of the House and Out-Patient Departments from October 1, 1908, to September 30, 1917, showing the yearly change in the number of new patients and number of visits in each department.

Year	House Patients		Out-Patients				Total
	Ophthalmic	Aural	Ophthalmic New	Aural New	Ophthalmic Old	Aural Old	
1908	1,524	1,645	21,113	9,449	25,202	22,729	81,662
1909	1,396	1,719	19,375	9,128	20,153	18,398	70,169
1910	1,646	1,910	19,542	9,364	18,508	16,695	67,665
1911	1,700	1,749	20,408	9,467	17,273	14,493	65,090
1912	1,646	1,874	19,265	9,182	16,412	13,396	61,775
1913	1,756	1,896	19,853	10,159	15,319	12,731	61,714
1914	1,805	1,825	18,734	9,942	15,840	14,256	62,402
1915	1,794	1,852	18,689	9,837	20,611	18,489	71,272
1916	1,858	2,158	19,833	10,865	25,224	20,095	80,033
1917	1,730	2,936	19,331	10,285	27,936	19,509	81,717

Yours very respectfully,

EUGENE WALKER,
Assistant Superintendent.

Post-Graduate Training School

IN presenting the Annual Report for this year of the Post-Graduate Training School for Nurses of the Massachusetts Charitable Eye and Ear Infirmary, we put on record our most successful one up to date. The improvements anticipated last year are the realities of the present year.

The method of having special instructors to teach and supervise the student nurse at the bedside has proven of exceptional value and is now permanently established. Its chief value is the thorough instruction of the student, a uniform method of nursing the patient, an increased smoothness and economy with which the work may be done.

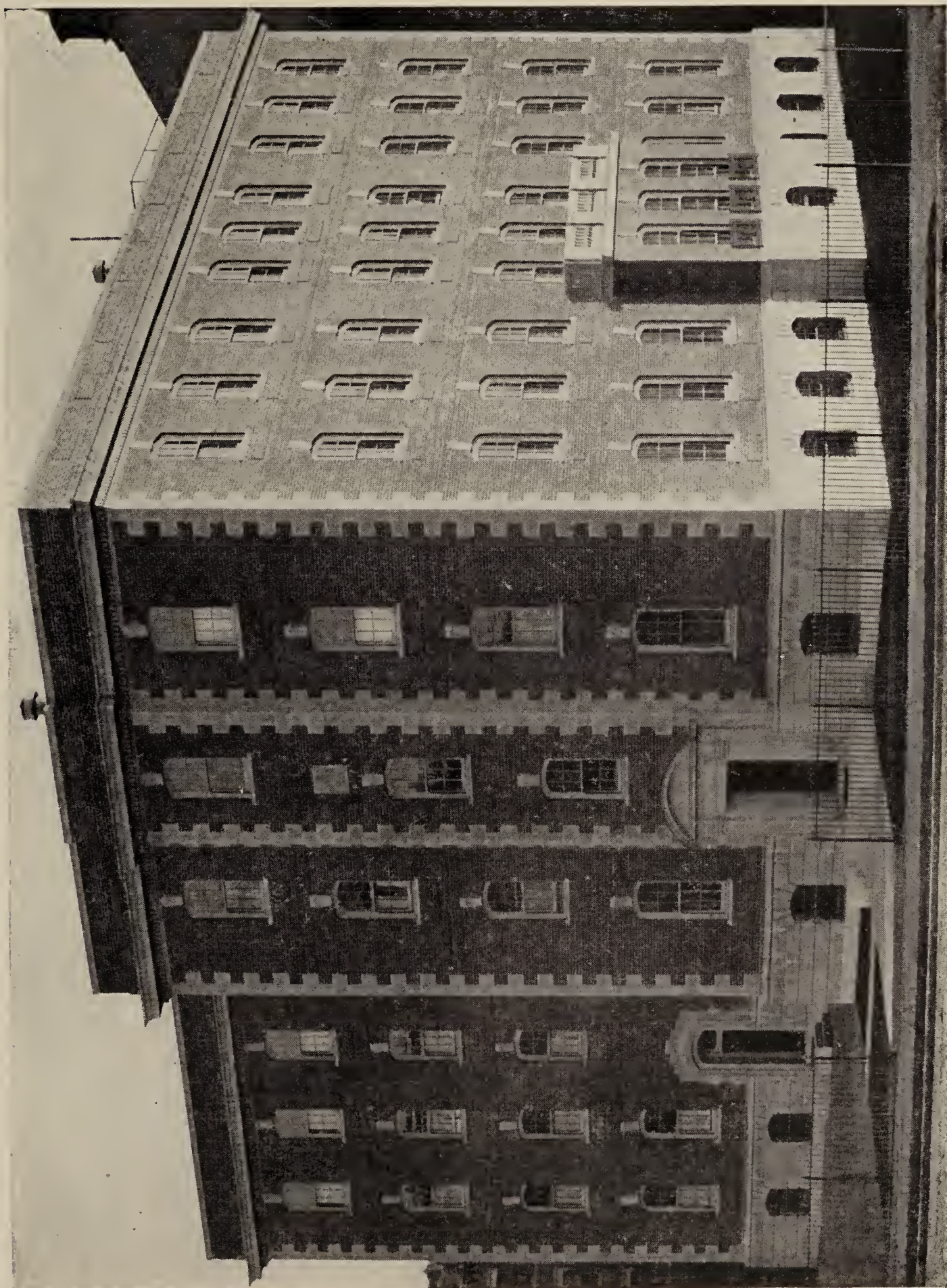
The benefit of a surgical supervisor has been amply justified, especially as a number of students have been trained as anæsthetists and will be valuable as such in war service.

From October 1, 1916, to September 30, 1917, 67 students have entered for the training, an increase of 17 over the previous year, and an increase of 36 over two years ago; 52 students graduated; 15 students failed to graduate; of these, 8 were called to war service before their training was completed. The applications numbered 101, an increase of 28 over the previous year. 150 inquiries were received.

The effects of the war on the nursing force has been marked since July. Many students entering the course have been called to service by the Red Cross, various units, and the Army, before completing their studies. A great number of applicants have failed to keep their appointments for the same reasons.

General Arrangement of Nursing Work

The general arrangement of the work remains the same as last year. The actual nursing of the patient is done almost entirely by the student nurses, the attendants doing the ward and nursery work, diets, and bathing. This arrangement makes it possible to



NURSES' HOME
OPENED AUGUST 5, 1909

POST-GRADUATE TRAINING SCHOOL

maintain a systematic routine in the work which would be impossible if attendants were not employed. The short period in which the student nurse is in training at the Infirmary, added to the fact that the first duty of the Infirmary to the student is teaching, eliminates her from routine ward duty.

A special step forward has been the placing of three permanent graduate nurses on night duty. This number we hope to increase when the war is won and the financial pressure is lessened.

The same number of hours theory as last year has again been given. The subjects covered were:

The Anatomy and Physiology of the Eye, Ear, Nose, and Throat.

The Medical and Surgical Nursing pertaining to the Special Senses.

Refraction; Bacteriology, and Materia Medica, pertaining to Otology and Ophthalmology.

Methods of teaching the Blind and Deaf.

Contagion.

Extension of Educational Work

An effort along purely educational lines has been made to reach public health nurses, social service workers and nurses. A series of lectures and demonstrations has been given at the Infirmary by the visiting surgeons and instructors of the Training School and the Head Social Service worker. So far the response to this innovation has been satisfactory.

Demands for Specially Trained Nurses

The demand for specially trained eye and ear nurses has greatly increased; added to this increased demand from the usual sources as schools, public health stations, social service departments, and hospitals, the Government and the Red Cross are asking for nurses competent to do the eye, ear, nose, and throat nursing at the front and in the reconstruction hospitals.

This demand may be satisfied by taking groups connected with the service and giving them an intensive training for a shorter period than the regular course. This recommendation and the service it would imply from the Infirmary has been offered to the proper authorities.

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Appreciation

The living conditions for the nursing force are excellent; music, books, magazines, a wood fire, and all necessary things for home comfort are supplied. The interior of the Home has been repainted and renovated. Dances and card parties have been planned.

The visiting staff and house officers have been most generous with their time and labor, not only in teaching, but in giving lectures and in their daily contact with the student. Again I express my gratitude, and that of the nursing staff, to those who have shown us kindness and courtesy.

MARY COONAHAN, R.N.,
Superintendent of Nurses.

Report of Social Service

IN last year's report we urged that there were three developments at the Infirmary which would promote more effective Social Service for the patients. These were, first, the establishment of an adequate follow-up system; second, opportunities for education of public health nurses in diseases of the eye and ear and their nursing care; and lastly the assignment of a special social worker to the ear clinic. All three of these needs are being filled.

The Follow-up System

The establishment of a follow-up system by the administration, with the cordial backing of the staff, has already justified itself. This has meant that the large bulk of the patients needing to return for treatment can be kept track of through this mechanism, and that Social Service can devote its efforts more advantageously to that group of patients whose home and hygiene conditions need supervision. Teaching patients and parents the application of the rules of healthful living is a slow process and must be persistently and patiently carried on if it is to become lasting.

It is to be hoped that a similar follow-up system may be established for the patients of the aural clinic.

Instruction of Public Health Nurses in Diseases of the Eye and Ear

The social workers of the department have become convinced that the best organization of Social Service for our patients must come, not from developing within our department a large group of teaching nurses who could go into the homes of our thousands of patients to teach them the care of the eye, but rather through co-operation with the many groups of public health nurses who are already going into the homes. But, as we stated in last year's report, most of the public health nurses have not enough of the special knowledge necessary to carry this responsibility. We have been convinced, however, that it was less wasteful of effort

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

to make the special knowledge available to them than to undertake to carry all this work ourselves. With this knowledge the school nurse, the visiting nurse, and other public health nurses who are already going into the homes as health teachers, would be equipped, not only to see that treatments were carried out properly, but they could also detect in other members of the family eye conditions that needed attention. The importance of early care and prevention of eye defects could thus become more common knowledge.

There is already under way a course for nurses which we hope may develop into fuller opportunities for this much needed educational work. This consists of ten exercises, with lectures by the doctors of the Staff, who have kindly consented to help, and demonstrations by the Superintendent of Nurses and her assistants. The subjects are as follows: Anatomy and Physiology of the Eye and Ear; Diseases of the Lids, Lacrimal Apparatus, Conjunctiva, Muscles, Choroid, Cornea, Sclera, Lens, Iris, Ciliary Body, Retina; Refraction and Color Blindness; Diseases and Complications of the Middle Ear; Diseases of the Throat associated with the Ear; Duties of the Home Nurse in the Conservation of Sight and Hearing.

Social Service for the Aural Clinic

For several years it has been quite evident that if the Social Service Department was to truly serve the Infirmary patients, more attention must be given to the aural patients. On July first, through the efforts of Dr. D. Harold Walker, we were able to assign a special worker to this clinic. During the three months, 522 patients were referred to Social Service. Of this number, 240 were children; 112 of these had acute ear conditions, 81 were chronic, 36 had enlarged adenoids and tonsils, and 11 were deaf-mutes. Of the 282 adults, 65 had defective hearing, 4 of these being totally deaf.

The experience of this short time has shown three things: first, the urgent need of a follow-up system to carry the bulk of those patients who must be kept under treatment. An adequate medical follow-up would assure proper care of many acute conditions and so prevent many chronic diseases; second, the opportunity for

REPORT OF SOCIAL SERVICE

very necessary hygiene teaching of patients and their parents; third, the most urgent need of attention, educational and industrial, for those patients who are deaf or have defective hearing.

The eleven deaf-mutes referred to above were under six years of age. Dr. Walker has often called attention to the need of educational advantages for such as these. We cannot begin too early with deaf children, that they may become self-reliant, and the tragedy of isolation, which deafness so often brings, may be lessened. At present there are practically no facilities for teaching these children under school age. 131, or 54%, of all the children were under school age, and therefore not under the supervision of the school nurse. Here is a group that needs special attention, for it is well established that it is in this group that chronic conditions frequently develop. Careful oversight of these children, when suffering from acute ear diseases, ought to prevent many mastoid developments.

Children with Interstitial Keratitis

Through the continued generosity and interest of Perkins Kindergarten for the Blind we were able to continue the social work for this group of children as it was discussed in last year's report. We sincerely hope that this important work may continue.

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A total of 1,629 new patients were referred to us, exclusive of those mentioned during the three months' work in the Aural Clinic. 301 old patients were also served. Of the new patients, 496 were referred for home visiting and social service. 39% of these were also under general medical care at the Massachusetts General Hospital. 1,184 visits were made to these patients' homes. The remainder, 1,133, did not need home visiting, but needed such service as could be given at the Infirmary, such as referring to other agencies, or carried by correspondence with some one in the locality from which the patient came.

Dr. Derby's absence during his service in France has meant the temporary loss of one of our most interested supporters. His class for those patients with tuberculosis of the eye has been

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discontinued. The patients are being cared for in the general clinic and we are continuing the hygiene supervision at home.

Social work in Gardner Ward has continued. Of the 193 babies under supervision, 26 were illegitimate. Social Service for these babies is especially difficult, as the mother's plan for herself and the baby is usually formulated before they come to us.

The work in the wards has developed under the increasing interest and co-operation of the doctors and nurses and the constant support of the Lady Visitors. Progress has been made this year in providing for recreational work and pastimes for the patients. Volunteers from Phillips Brooks House, Harvard University, have come three times a week to supervise the games for the men and boys and so help to pass the tedious hours. Representatives from the Tide-Over League have come twice a week to supervise rug-making and knitting. Students from Wheelock Kindergarten School came daily during the school year to amuse the children in the nursery.

The services of these groups, combined with the constant attention of our Lady Visitors and Volunteers, and the increased use of the patients' library, have been much appreciated by the patients.

A study of ophthalmic accidents admitted to the wards was made for the year June, 1916, to June, 1917. During that time 336 patients were admitted; 166 of these were industrial and 170 non-industrial. The industrial cases were all men. Of these, one lost sight in both eyes, 27 had enucleations, and only 27, or 14%, were discharged with normal vision.

In the non-industrial group 97 of the 170 (58%) were children. There were 13 enucleations in this group, the majority being children.

In both groups it was quite evident that many of these accidents were preventable. We are hoping to secure data this year for educational work along these lines.

IDA M. CANNON,
Chief of Social Service.

Report of the Pathological Laboratory

Owing largely to the war, the work of the laboratory during the past year has been hampered by the difficulty in obtaining a capable technician. Experimental investigations relating to the treatment of separation of the retina have been continued, and further successful results have been obtained in clinical cases with the method already worked out. Some observations on congenital cataract have been made which, it is believed, will throw a new light on the nature of this condition. Dr. Howard has made a special study of certain congenital anomalies of the eye and has arrived at important conclusions regarding the origin of the vitreous humor.

This year an unusually large number of graduate students have availed themselves of our material for the study of the embryology, histology, and pathology of the eye.

The facilities of the laboratory have been placed at the service of the Government for the urinary examination of applicants of the aviation service, and have been freely made use of for this purpose.

FREDERICK H. VERHOEFF, M.D.,
Pathologist.

Report of the X-Ray Department

The following cases have been examined:

	<i>Positive</i>	<i>Negative</i>
Accessory sinuses:		
Sinusitis		159
Neoplasm	1	5
Frontal sinus:		
Sinusitis	95	18
Absence of	17	
Ethmoids:		
Sinusitis	111	8
Fronto-ethmoiditis	49	1
Antrum Highmore:		
Sinusitis	97	7
Cyst	1	
Pansinusitis	88	
Sphenoidal sinusitis	4	1
Teeth		37
Wisdom, impacted	1	1
unerupted	3	
Caries or abscess	33	
Temporal Bone:		
Mastoid:		
Mastoiditis, acute		55
acute, first degree	118	
acute, second degree	60	
acute, third degree	31	
chronic sclerosing	117	
chronic sclerosing with cholesteotome	25	1
recurrent	15	7
Middle ear, presence of	1	
Otitis externa diffusa	10	
Abscess (squamous portion)	1	
Sella turcica, enlargement of	3	14
Fracture		3
Frontal bone		2
Maxilla, superior	1	
Nasal bone		1
Mastoid bone		3
Malar bone	1	

REPORT OF THE X-RAY DEPARTMENT

	<i>Positive</i>	<i>Negative</i>
Parietal bone	1	
Temporal bone (squamous portion)	1	
Base		3
Cerebral tumor	1	1
Cerebral abscess	1	1
Foreign body :		
In eye	84	118
Double perforation	7	
Extraocular	9	
Two foreign bodies in eye	2	
Lacrimal tube located in antrum	1	
Orbit:		
Cellulitis	4	1
Fracture	2	3
Tumor	4	5
Esophagus:		
Tumor		2
Foreign body		1
Trachea, foreign body		1
Calcified thyroid cartilage	1	
Unclassified	10	
Treatments	35	
	<hr/>	<hr/>
	1,046	459
Total		1,505

WILLIAM LIEBMAN, M.D.,
Roentgenologist.

Aviation Examining Unit

The Massachusetts Charitable Eye and Ear Infirmary was selected by Lieutenant Colonel Lyster, Chief Surgeon of the Aviation Section, as the most suitable site in New England for the physical examination of prospective army aviators.

This rigid examination, demanding as it does perfect eye and ear condition, requires the skill of specialists and the facilities found only in a hospital of this type, as vision, muscle balance, fundus, color sense, labyrinth, vestibular and cochlear nerve tracts must be investigated in every case.

The ophthalmic staff not only contributed three of its members to the unit, but gave up nearly one half of its available outpatient department space for our use. The manner in which the trustees, executive staff, and chief surgeons have met every request has been most encouraging. The advice of the chiefs and senior surgeons has been called for repeatedly in questionable cases, and it was only through their help that we have been able to examine nearly five hundred men monthly. Dr. Eugene Walker, the Assistant Superintendent, has not only assisted us in obtaining necessary paraphernalia, but has shown the way out of many straits. The enthusiasm here is greatly appreciated by Lieutenant Colonel Lyster, Lieutenant Colonel Crabtree, and our own Major Mosher, now connected with the Surgeon General's Office.

The fact that through this institution alone we will enable our country to obtain five thousand perfectly fitted fliers within the next year, portrays the importance of the work. Soon, we hope, the mental examination of the "bird men" will also be conducted here.

The personnel of the unit consists of the following: Capt. Harry P. Cahill, M.R.C., First Lieutenant John G. Jennings, M.R.C., Doctors William Harkins, George H. Poirier, William I. Wiggin, Thomas F. Capeles, all members of the hospital outpatient department staff; Dr. Harold L. Babcock, Mrs. Donald E. Woodbridge, Mrs. Edward Ervin, and Miss Margaret Weld.

HARRY P. CAHILL, M.D.,
Captain Physical Examining Unit
Aviation Section, Signal O. R. Corps.

Scientific Papers Published by the Surgical Staff during the Year 1917

- "A New Method of Treatment for Retinal Separation." By Frederick H. Verhoeff, M.D. *Ophthalmic Record*, 1917.
- "The Treatment of Hypopion Keratitis." By Frederick H. Verhoeff, M.D. *The Journal of the American Medical Association*, 1917. Vol. LXVII.
- "Sarcoid of the Eyelid." By Frederick H. Verhoeff, M.D., with George S. Derby, M.D. *Archives of Ophthalmology*, 1917.
- "Pathological Report on Dr. O'Connor's Case of Glioma Retinæ et Atrophia Bulbi." By Frederick H. Verhoeff, M.D. *Archives of Ophthalmology*, 1917.
- "Pathological Report on Dr. Roy's Case of Late Infection Following an Operation of Iridotaxis." By Frederick H. Verhoeff, M.D. *American Ophthalmological Transactions*, 1917.
- "Webs and Pouches of the Œsophagus, Their Diagnosis and Treatment." By Harris P. Mosher, M.D. *Surgery, Gynecology, and Obstetrics*, August, 1917, pp. 178-187.
- "Paraffin as a Packing for Radical Mastoid Cavity." By Harris P. Mosher, M.D. *Transactions of the American Laryngological, Rhinological, and Otological Society*.
- "Sarcoid of the Eyelid." By George S. Derby, M.D., with "Pathological Examination." By Frederick H. Verhoeff, M.D. *Archives of Ophthalmology*, Vol. XLVI, No. 4, 1917.
- "Interstitial Keratitis, with Special Reference to the End Result." By George S. Derby, M.D. *Transactions of Section on Ophthalmology of American Medical Association*, 1917, pp. 230-238.
- "Loss of Sight from Posterior Accessory Sinus Disease, with Report of Three Cases." By Leon E. White, M.D. *Boston Medical and Surgical Journal*, June 28, 1917.
- "Tendo-Muscle Lengthening and Description of Special Forceps." By Holbrook Lowell, M.D. *Archives of Ophthalmology*, Vol. XLVI, No. 3, 1917.
- "A Case of a Rare Foreign Body in the Oral Cavity." By John L. Lougee, M.D. *Laryngoscope*, St. Louis, June, 1917.
- "Radium Treatment of Tinnitus and Middle Ear Deafness." By Irving Sobotky, M.D. *New York Medical Journal*, June 16, 1917.
- "A Case of Iritis and Optic Neuritis Following Tonsillitis." By Irving Sobotky, M.D. *Boston Medical and Surgical Journal*, June 7, 1917.
- "A Case Showing Multiple Congenital Abnormalities of the Eye; the Origin of the Vitreous Indicated by One of Them." By Harvey J. Howard, M.D. *Transactions of the American Ophthalmological Society*, 1917.

Report of Ophthalmic Department

House Operations

CONJUNCTIVA		Panophthalmitis	7
Conjunctival flap	17	Separation of retina	2
Removal of foreign body	1	Staphyloma	2
Removal of tumors of conjunctiva	3	Tumor of globe	9
Skin graft	1	Enucleation with insertion of glass ball	11
Stripping	11	Enucleation with exenteration	3
Transplantation of pterygium	10		
Transplantation of symblepharon	2	Total	123
Transplantation of symblepharon with skin graft	1	EVISCKERATION	
		Simple	2
Total	46	Total	2
CORNEA		IRIS	
Cauterization	1	Abcission of prolapsed iris	23
Curetage of ulcer	2	Abcission of prolapsed iris with conjunctival flap	15
Infiltration of cornea with India ink	1	Eliot trephine	21
Paracentesis	16	Iridectomy:	
Paracentesis through ulcer	6	for glaucoma	45
Pasteurization of ulcer	3	optical	14
Pericorneal neurotomy	1	preliminary	3
Removal of foreign body	3	Iridotaxis	4
Saemisch	22	Iridotomy	3
Scarification	1	Removal of foreign body	1
Tattooing	3	Synechotomy	12
Total	59	Total removal of iris	1
ENUCLEATIONS, FOR		Total	142
Buphthalmos	3	LACRIMAL APPARATUS	
Choroidal hemorrhage	1	Agnew's	1
Disorganized globe	34	Cauterization of fistula	1
Exophthalmos	1	Curetage of sac	1
Glaucoma, absolute	16	Excision of fistula	1
Inflamed leucoma	1	Extirpation of portion of lacrimal gland	1
Injury	27	Extirpation of tear sac	45
Intraocular hemorrhage	1	Irrigation of lacrimal sac	2
Irido-cyclitis	5		

REPORT OF THE OPHTHALMIC DEPARTMENT

Ligation of lacrimal ducts . . .	1
Removal (attempted) of foreign body	1
Total	54

Suturing	4
Symblepharotomy	1
Tarsectomy	1
Total	69

LENS

Capsulotomy	1
Cataract extraction:	
in capsule	3
in capsule with buttonhole iridectomy and scleral suture	22
in capsule with iridectomy .	2
in capsule with iridectomy and scleral suture	19
in capsule with scleral suture linear	28
simple	6
with iridectomy	200
with iridectomy and con- junctival flap and scleral suture	11
Discission	229
Removal of foreign body . . .	2
Total	524

LIDS

Canthoplasty	2
Ectropion	8
Entropion	5
Excision of cutaneous horns . .	1
Excision of tumor	4
External canthotomy	2
Extirpation of cyst	6
Incision of abscess	3
Ligation of pulsating aneurism of lid	1
Plastic	21
Plastic with skin graft	3
Ptosis:	
Hess'	3
Mottais	1
Panas	2
Removal of foreign body . . .	1

MUSCLES

Advancement of:	
external rectus	42
internal rectus	17
Tenotomy of:	
external rectus	16
internal rectus	46
levator	1
Tucking of internal rectus . .	1
Total	123

ORBIT

Exenteration of orbit	1
Exploration of orbit	1
Incision of abscess	4
Krönlein operation	1
Plastic	11
Plastic with skin graft	2
Removal of tumor	1
Total	21

SCLERA

Puncturing of sclera	53
Puncturing of sclera (electro) .	1
Sclerotomy	11
Suturing	1
Total	66

MISCELLANEOUS

Excision of tumor of limbus . .	1
Injection of salvarsan	1
Removal of foreign body from anterior chamber	4
Removal of foreign body from globe	47

Total	53
Total operations	1,282

Out-Patient Operations

Agnew's incision	8	Probing of lacrimal duct	11
Conjunctival flap	1	Removal of angioma	1
Enucleation	6	Removal of calcareous deposits	
Evisceration	2	of lid	2
Excision of papilloma	2	Removal of conjunctival growth	1
Excision of part of lid	1	Removal of foreign body on	
Extirpation of tarsus	2	cornea	1,922
Incision of abscess at internal		Removal of foreign body on lid	1
canthus	1	Removal of granulation	4
Incision of abscess of brow . . .	1	Removal of milium	4
Incision of abscess of face . . .	1	Removal of pinguicula	1
Incision of abscess of lacrimal		Removal of verruca	5
duct	17	Saemisch	5
Incision of abscess of lid	36	Snelling's suture	4
Incision of abscess of orbit . . .	3	Stripping	3
Incision of chalazion	232	Suturing of conjunctiva	1
Incision of cyst of lid	7	Suturing of lid	6
Incision of furuncle	4	Tenotomy of superior rectus . .	3
Incision of hordeolum	52	Transplantation of pterygium . .	20
Incision of infected cyst	1		
Incision of orbital cellulitis . . .	2		
Incision of tumor of lid	1		
Iridotomy	2		
		Total	2,376

Report of Aural Department

House Operations

AURICLE

Incision of othematoma	4
Plastic	2
Removal of tumor of auricle	2
Total	8

MEATUS

Incision of abscess of canal	16
Incision of furunculosis of canal	1
Removal of foreign body from ear	1
Removal of granulation from canal	2
Total	20

TYMPANUM

Curetage of tympanum	2
Incision of membrana tympani	64
Labyrinthectomy	1
Ossiculectomy	24
Ossiculectomy with curetage of eustachian tube	2
Removal of malleus	1
Removal of polypus	21
Stapedectomy	1
Total	116

MASTOID REGION

Decompression with exploration for cerebellar abscess	1
Exploration for brain abscess (temporo-sphenoidal)	1
Exploration for brain abscess with exploration of lateral sinus	1
Exploration of lateral sinus	1
Exploration of lateral sinus with ligation of jugular	2
Exploration of mastoid wound	2
Incision of postaural abscess	11
Mastoid, modified Heath	3
Plastic	2
Plastic for closure of postaural fistula	1
Postaural incision with curetage of bony canal	1
Radical mastoid	63

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Radical mastoid with exploration of cerebral dura	1
Radical mastoid with ligation of jugular	1
Radical mastoid with primary skin graft	23
Removal of postaural angioma	1
Simple mastoid	372
Simple mastoid with ligation of jugular	18
Simple mastoid with removal of portion of zygoma	1
Skin graft	14
Subtemporal decompression with exploration for brain abscess	1
Suturing of mastoid wound	4
Total	525

NOSE, THROAT, AND PHARYNX

Cauterization of turbinate	1
Curetage of eustachian tube	1
Esophagoscopy	7
Esophagoscopy with dilation of stricture	2
Esophagoscopy with incision of partition between pouch and esophagus	1
Exenteration of ethmoid	106
Exenteration of sphenoid	17
Incision of abscess of septum	1
Incision of peritonsillar abscess	7
Incision of retropharyngeal abscess	2
Intranasal antrum	65
Intranasal extirpation of tear sac	1
Intranasal frontal sinus	20
Killian operation	7
Laryngoscopy	3
Laryngotomy with excision of vocal cord	1
Lothrop's operation (frontal)	6
Moure operation	2
Plastic for external deformity of nose	16
Puncturing and irrigating of antrum	4
Radical antrum	25
Radical ethmoid	4
Radical frontal	12
Removal of adenoids	277
Removal of adenoids and tonsils	1,137
Removal of cyst at base of tongue	1
Removal of foreign body from larynx	1
Removal of growth from nasopharynx	1
Removal of growth of ethmoid	1
Removal of mucocele of ethmoid	1
Removal of new growth from nasal cavity	2

REPORT OF THE AURAL DEPARTMENT

Removal of papilloma of vocal cord	1
Removal of polyp of nasopharynx	1
Removal of polyp of nose	9
Removal of polyp of vocal cord	1
Removal of spur of septum	3
Removal of tonsils	104
Removal of tumor of lacrimal sac	1
Submucous resection of septum	258
Tracheotomy	3
Turbineotomy	89
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Total	2,202

MISCELLANEOUS

Amputation of epiglottis	1
Curetage of alveolar cavity	1
Decompression	7
Drainage of brain abscess	1
Drainage of cerebral abscess	2
Excision of glands of neck	5
Extraction of teeth	5
Incision of branchial cyst	1
Incision of cervical abscess	13
Incision of furuncle of lip	1
Incision of parotid abscess	2
Incision of Wharton's duct	1
Injection of Gasserian ganglion with alcohol	1
Injection of salvarsan	5
Removal of cyst of rectum	1
Removal of dentigerous cyst	1
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Total	48
Total operations	2,919

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Out-Patient Operations

Cauterization of septum	1	Puncturing of blebs	5
Cauterization of turbinate	1	Reinsertion of cartilage	2
Cutting of adhesions	1	Removal of adenoids	15
Cutting of nasal synechia	1	Removal of cartilage of septum	3
Dissection of cyst of auricle	2	Removal of foreign body from	
Incision of abscess of canal	291	ear	37
Incision of abscess of face	1	Removal of foreign body from	
Incision of abscess of lobule	7	larynx	1
Incision of abscess of neck	2	Removal of foreign body from	
Incision of abscess of nose	4	nose	3
Incision of abscess of septum	7	Removal of foreign body from	
Incision of boil of scalp	1	throat	3
Incision of cyst of lobule	4	Removal of growth from sep-	
Incision of furuncle under ear	1	tum	1
Incision of gland of neck	2	Removal of polyp from ear	44
Incision of hematoma of ear	1	Removal of polyp from nose	30
Incision of hematoma of sep-		Removal of spur of septum	2
tum	7	Removal of verruca from canal	1
Incision of peritonsillar abscess	11	Removal of verruca from chin	1
Incision of postauricular gland	3	Submucous resection of sep-	
Incision of posterior canal wall	1	tum	200
Incision of preauricular gland	1	Turbinectomy	46
Opening of antrum	26		
Opening of ethmoid	12	Total operations	1,977
Paracentesis of membrana			
tympani	1,195		

Explanation of Tables of Medical and Surgical Statistics

The following table is a record of diseases treated in both House and Out-Patient Departments, listed according to the Classification, which contains 39 "Sections." Diseases are numbered, first, according to section; second, according to the number of disease in section; and third, according to the International Classification. A great many serial numbers are omitted in all sections except 17, which means that no case of the disease corresponding to that number has been treated in this hospital during the past year. This table does not represent the number of patients treated, but the number of diseases that have been treated in either Service of the Hospital.

Table of Diseases

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE								OUT-PATIENT					
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL
		M	D	F	D	M	D	F	D		M	F	M	F	
SECTION I															
SPECIFIC INFECTIOUS DISEASES															
GENERAL DISEASES															
1-9-6	Morbilli (Measles).....	8	..	2	..	2	..	1	..	13	.....	1	.....	.....	1
1-10-7	Scarlatina (Scarlet Fever)...	1	..	1	..	2	..	.....	..	4	.....	.....	.....	.....	.....
1-12-9	Diphtheria (including														
	Croup).....	2	1	.....	.....	.....	.....	.....	..	2	.....	.....	2	3	5
1-15-9	Postdiphtheritic Paralysis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	.....	3
1-21-92	Lobar Pneumonia.....	1	1	1	..	4	2	4	2	10	.....	.....	1	.....	1
1-22-91	Lobular (Broncho)														
	Pneumonia.....	.....	..	1	1	1	1	1	..	3	.....	.....	.....	.....	.....
1-31-18	Erysipelas.....	2	..	.....	..	6	..	7	..	15	.....	1	1	3	5
1-32-19	Other unclassified Infec-														
	tious Diseases.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	9	14
1-34-61	Epidemic Cerebrospinal														
	Meningitis.....	.....	.....	.....	.....	2	2	.....	..	2	.....	.....	.....	.....	.....
1-37-19	Mumps (Epidemic														
	Parotitis).....	.....	.....	.....	.....	1	.....	.....	..	1	.....	.....	16	9	25
1-44-19	Varicella (Chicken-pox) ..	1	..	3	..	.....	..	2	..	6	.....	.....	.....	.....	.....
1-50-20	Purulent infection, gen-														
	eral Septicemia and Pye-														
	mia, Streptococcus and														
	Staphylococcus infec-														
	tions .....	.....	.....	.....	.....	1	1	.....	..	1	.....	.....	.....	2	2
1-56-22	Anthrax.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
1-59-75	Trachoma.....	19	..	10	..	.....	.....	.....	..	29	54	29	.....	.....	83
1-67-25	Tinea Trichophytina.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
1-74-25	Otomycosis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	3
1-78-28	Tuberculosis of Lungs....	.....	.....	.....	.....	6	1	.....	..	6	.....	.....	.....	.....	.....
	Tuberculosis of Larynx...	.....	.....	.....	.....	2	.....	.....	..	2	.....	.....	3	.....	3
1-80-30	Tuberculous Meningitis..	.....	.....	.....	.....	2	1	2	1	4	.....	.....	.....	.....	.....
1-84-34	Tuberculosis of Bony														
	Canal.....	.....	.....	.....	.....	1	.....	.....	..	1	.....	.....	.....	.....	.....
1-89-34	Tuberculosis of Lymph														
	Nodes.....	.....	.....	.....	.....	1	..	2	1	3	.....	.....	.....	.....	.....
1-96-34	Tuberculosis of the Eye..	5	..	.....	.....	.....	.....	.....	..	5	1	.....	.....	.....	1
1-97-34	Tuberculosis of the Ear..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
1-99-34	Tuberculosis of the Nose..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
1-100-37	Syphilis.....	.....	.....	1	..	5	.....	.....	..	6	.....	.....	1	.....	1
1-102-37	Nervous System.....	.....	.....	.....	.....	1	.....	.....	..	1	.....	.....	.....	.....	.....
1-103-37	Nose and Throat.....	1	..	.....	.....	.....	.....	.....	..	1	.....	.....	4	4	8
1-106-37	Ear and Eye.....	14	..	16	..	.....	.....	.....	..	30	5	5	.....	.....	10
1-109-37	Congenital.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	2

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE								OUT-PATIENT					
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL
											M	F	M	F	
		M	D	F	D	M	D	F	D		M	F	M	F	
1-113-37	Other lesions, Gummata, etc.....						1		1			2	1	3	
1-114-37	Syphilis (doubtful diagnosis).....											9	5	14	
	Labyrinth.....						1		1						
	Gonococcus infection														
1-121-38	Urethritis,Acute Gonorrheal.....	1				1			2						
1-122-38	Urethritis,Chronic Gonorrheal.....			1					1						
1-123-38	Vaginitis, Gonorrheal..	1		3				1	5						
1-126-38	Conjunctivitis, Gonorrheal, and other Gonorrheal conditions of the Eye.....	16		7					23	2	1			3	
1-144-47	Acute Infectious Arthritis					3			3						
	Elbow.....					1			1						
SECTION II															
DISEASES DUE TO ANIMAL PARASITES															
2-22a-145	Pediculosis.....									1		3	9	13	
SECTION III															
DISEASES OF METABOLISM															
3-1-50	Diabetes Mellitus.....							2	2						
3-3-50	Diabetic Iritis. Diabetic Retinitis.....									1				1	
SECTION IV															
CONDITIONS PECULIAR TO INFANCY															
4-25-38	Ophthalmia Neonatorum.	24		39					63	21	33			54	
4-26-75	Non-gonorrheal.....	18		24					42	53	44			97	
SECTION V															
DISEASES DUE TO PHYSICAL AGENTS															
5-1-167	Burns, Scalds, etc.														
	Brow.....									5				5	
	External Ear.....											2	1	3	
	Face.....	2							2						
	Neck.....	1							1						
5-8-165	Insect Sting.....									3	3			6	

TABLE OF DISEASES

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE							OUT-PATIENT							
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL	
		M	D	F	D	M	D	F	D		M	F	M	F		
SECTION VII																
CARCINOMA, SARCOMA, AND OTHER MALIGNANT GROWTHS, AND BENIGN TUMORS																
7-2-39a	Carcinoma															
	Auricle.....					1				1						
	Tongue.....												1			1
	Tonsil.....					1				1						
	Vocal cord.....							1		1						
7-4-39f	Sarcoma															
	Nose.....													1		1
7-7-40a	Carcinoma															
	Esophagus.....							1	1	1						
	Larynx.....					1				1				1		1
7-8-40b	Endothelioma															
	Turbinates.....							1		1						
7-10-40f	Sarcoma															
	Nasopharynx.....														1	1
7-44-44a	Carcinoma															
	Conjunctiva.....	1								1						
	External Canthus.....	1								1						
	Lacrimal Sac.....	1								1						
	Lid.....	2		2						4						
7-47-44g	Mixed Malignant Growth															
	Nose.....														1	1
7-49-45a	Carcinoma															
	Ethmoid.....					2	1			2						
	Limbus.....	1								1						
	Orbit.....	1		1						2	1	1				2
	Sclera.....	1								1						
7-52-45f	Sarcoma															
	Antrum.....													1		1
	Choroid.....	2								2						
	Ethmoid.....					9				9						
	Eye (unclassified).....			1						1						
	Lid.....			1						1						
	Orbit.....	1								1		2				2
7-54-45g	Mixed Malignant Growth.															
	Behind Eye.....							1		1						
7-55-46	Non-malignant Tumors															
	Auricle.....							1		1						
	Canal.....													3	2	5
	Conjunctiva.....	1								1						
	Eye (unclassified).....			1						1						
	Lid.....			1						1						
	Nasopharynx.....							1		1						
	Orbit.....											1				1
7-56-46	Keloid															
	Nose.....													1		1

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE								OUT-PATIENT						
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL	
		M	D	F	D	M	D	F	D		M	F	M	F		
7-62-46	Angioma															
	Eye (unclassified)			1						1						
	Lid.										2	1				3
7-63-46	Angioma Cavernosum															
	Brow.										1					1
7-65-46	Cyst															
	Antrum.													1		1
	Auricle.												2	1		3
	Cerebellum.												1			1
	Cleft.												1			1
	Conjunctiva.			1						1						
	Dentigerous.					1				1						
	Epiglottis.							1		1						
	Eye (unclassified)	2								2						
	Lid.			4						4	333	213				546
	Lobule.												5	1		6
	Lymphatic.												1			1
	Parotid region.												1	1		2
	Postaural.					1				1						
	Sebaceous.												2	2		4
	Tonsil.												1			1
	Turbinate.												1			1
7-65b-46	Cystic Goiter.							1		1					5	5
7-67-46	Dermoid Cyst															
	Conjunctiva.			1						1	1					1
	Rectum.					1				1						
7-69-46	Epithelioma (benign)															
	Auricle.					1				1						
	Eye (unclassified)	1								1						
	Lid.										6	2				8
	Limbus.	1								1						
	Nose.												1	1		2
7-70-46	Fibroma															
	Post Nares.					2				2						
7-73-46	Lipoma															
	Ear.												1			1
	Eye.										1					1
7-79-46	Glioma															
	Eye.	4		1						5	4	1				5
7-80-46	Papilloma															
	Larynx.							1		1			1			1
	Lid.											3				3
	Pharynx.												1			1
	Uvula.													2		2
	Vocal Cord.												2			2
7-81-46	Polypus															
	Antrum.							1		1						
	Ear.					12		8		20						
	Nasopharynx.							1		1						
	Nose.					3		2		5						
	Vocal Cord.					1				1						

TABLE OF DISEASES

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE								OUT-PATIENT					
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL
		M	D	F	D	M	D	F	D		M	F	M	F	
7-83-46	Wen.....										1			1	2
7-85-46	Myeloma														
	Orbit.....	1								1	1				1
7-91-46	Cholesteatoma.....												1	1	2
SECTION VIII															
CONGENITAL MALFORMATIONS															
8-2-150	Albinism.....										3	1			4
8-6-150	Branchial Cyst.....					1				1					
8-8-150	Cleft Palate.....												2	2	4
8-9-150	Harelip.....												1		1
8-13-150	Congenital Amputation..													1	1
8-34-150	Hydrocephalus.....										1				1
8-48-150	Unclassified Congenital Malformations.....											1			1
8-49-150	Anomalies of the Eye (unclassified).....			1						1	4	3			7
8-53-150	Of the Iris.....			1						1	3	3			6
8-55-150	Of the Lids.....	3								3					
8-56-150	Of the Optic Nerve..											1			1
8-60-150	Of the Uveal Tract..										1	1			2
8-62-150	Anomalies of the Ear (unclassified).....												4	1	5
8-63-150	Absence of Auricle...												3		3
8-65-150	Microtia.....												1		1
SECTION IX															
GENERAL INJURIES AND DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUES															
9-1-	Abrasions.....										2	2	1		5
9-2-144	Abscess														
	Brow.....										5	3			8
	Lobule.....												1	1	2
	Scalp.....					1				1					
9-3-144	Abscess of Face.....					1				1					
9-5-144	Cervical Abscess.....					4				4			1	1	2
9-16-143	Furunculosis														
	Ear.....					1				1			115	105	220
	Lid.....											1			1
	Lip.....							1		1					
9-20-	Blisters														
	Ear.....												2	1	3
9-22-	Contusions														
	Brow.....										1	1			2
9-31-186	Foreign Body														
	Ear.....							1		1			30	25	55
9-43-144	Septic Scalp.....					1				1				1	1

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE							OUT-PATIENT						
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL
		M	D	F	D	M	D	F	D		M	F	M	F	
9-45-144	Septic Hand.....	.....	..	1	..	.....	..	.....	..	1	.....	.....	.....	.....	.....
9-50-144	Other Localized Sepsis	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	2	2	5
	"Cellulitis"	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
	Lid.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
	Neck.....	.....	.....	.....	.....	2	.....	.....	.....	2	.....	.....	.....	.....	.....
9-51-	Hematoma	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Nose.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	2	.....	2
	Scalp.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
9-55-	Wounds	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Brow.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7	6	.....	.....	13
	Eye.....	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
	Scalp.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	2
SECTION X															
SPECIAL SKIN DISEASES															
10-27-145	Cicatrix.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	3	4
10-33-145	Dermatitis (unclassified)	.....	.....	.....	.....	.....	.....	.....	.....	.....	7	8	3	6	24
10-46-145	Dermatitis Venenata.....	.....	1	.....	.....	.....	.....	.....	.....	1	2	.....	.....	.....	2
10-50-145	Eczema.....	.....	.....	.....	.....	.....	.....	2	.....	2	11	26	88	101	226
10-52-145	Edema Circumscriptum	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Acutum.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
10-61-145	Erythema (unclassified)...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
10-69-145	Herpes Simplex.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	2
10-77-145	Impetigo.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	5	.....	6
10-78-145	Impetigo Contagiosa.....	.....	.....	1	.....	.....	.....	.....	.....	1	1	.....	2	.....	3
10-81-145	Keratosis Follicularis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
10-97-145	Milium.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	4	.....	.....	7
10-109-150	Nevus (unclassified).....	.....	1	.....	.....	.....	.....	.....	.....	1	2	2	.....	.....	4
10-115-145	Pemphigus.....	.....	1	.....	1	.....	.....	.....	.....	2	1	.....	.....	.....	1
10-126-145	Pruritus.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
10-140-145	Verruca.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8	12	.....	1	21
10-143-145	Xanthoma.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	4	.....	.....	7
10-145-145	Unclassified Diseases of the Skin.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....
SECTION XI															
DISEASES OF THE CIRCULATORY SYSTEM															
11-1-81	Aneurism.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
11-3-81	Arteriosclerosis (general)	.....	.....	.....	.....	.....	.....	.....	.....	.....	6	1	.....	.....	7
11-4-81	Cerebral Arteriosclerosis..	.....	.....	.....	.....	2	1	.....	.....	2	.....	.....	.....	.....	.....
11-5-81	Cerebral Arteriosclerosis with Cerebral Hemor- rhage.....	.....	1	1	.....	.....	.....	.....	.....	1	.....	1	.....	.....	1
11-8-81	Arteriosclerosis of Retinal Vessels.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8	1	.....	.....	9
11-16-81	Unclassified Diseases of Arteries.....	.....	.....	.....	.....	1	.....	.....	.....	1	1	.....	.....	.....	1
11-73-80	Angina Pectoris.....	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....

TABLE OF DISEASES

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE									OUT-PATIENT					
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL	
		M	D	F	D	M	D	F	D		M	F	M	F		
SECTION XII																
DISEASES OF THE LYMPHATIC SYSTEM																
12-1-84	Lymph Adenitis, acute...					7		4		11				41	41	82
12-2-84	Lymph Adenitis, chronic							1		1				2		2
12-14-84	Hypertrophy of Lymph Nodes.....													4	5	9
SECTION XIII																
DISEASES OF THE BLOOD																
13-1-54	Anemia, Pernicious.....														3	3
SECTION XIV																
DISEASES OF THE DUCTLESS GLANDS																
14-3-54	Splenic Anemia.....							1		1						
14-18-51	Exophthalmic Goiter.....											1				1
14-19-88	Dysthyroidism.....														3	3
14-26-55	Acromegaly.....											1				1
SECTION XV																
DISEASES OF THE NERVOUS SYSTEM																
15-15-72	Chorea.....													1		1
15-18-61	Meningitis.....			1	1	4	4	4	4	9				2		2
15-19-74	Choked Disc.....										5	9				14
15-20-66	Facial Paralysis.....					4		2		6	4	5	7	6		22
15-21-145	Herpes Zoster.....			1		1				2	1	3				4
15-22-73	Neuritis (unspecified)....														1	1
15-26-66	Paralysis of Individual Nerves.....													6	1	7
15-34-63	Multiple Sclerosis.....							1		1						
15-39-63	Unclassified Diseases of the Spinal Cord.....														1	1
15-40-60	Abscess of Brain.....					2				2						
15-53-74	Retarded Mental Development.....													1	1	2
15-57-74	Unclassified Diseases of the Brain.....													2		2
15-66-74	Pseudomuscular Hypertrophy.....														1	1
15-75-74	Vertigo.....											1	2	2		5
15-77-69	Epilepsy.....							1		1						
15-78-74	Facial Spasm.....										1					1
15-79-63	Family Periodic Paralysis													1	1	2
15-81-74	Migraine.....			1						1		1				1
	Neuralgia															
15-86-73	Supraorbital.....										1			1		2
15-87-73	Other Trigeminal.....					1		1		2				1		1
15-93-73	Other Forms.....													3	3	6

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE									OUT-PATIENT				
		OPHTHALMIC				AURAL				Total	OPHTHALMIC		AURAL		Total
		M	D	F	D	M	D	F	D		M	F	M	F	
15-96-74	Tic Convulsif.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
15-97-149	Torticollis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
	Psychoneuroses	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15-101-74	Hysteroid Type.....	.....	.....	2	.....	.....	.....	2	.....	4	.....	.....	.....	.....	.....
SECTION XVI															
DISEASES OF BONES, JOINTS, MUSCLES, TENDONS, AND FASCIA															
16-2-146	Exostosis	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Ear.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9	2	11
16-5-146	Necrosis	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Alveolar Process.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	1	1
16-8-146	Periostitis(non-traumatic)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
16-13-	Fractures	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Jaw.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
	Malar Bone.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8	.....	8
	Mastoid Bone.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
	Nose.....	.....	.....	.....	.....	1	.....	1	.....	2	.....	.....	9	.....	9
	Skull.....	.....	.....	.....	.....	1	.....	.....	.....	1	1	.....	3	2	6
16-14-	Other Injuries	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Mastoid Bone .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
16-20-147	Arthritis and Synovitis...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
16-58-149	Myositis (unspecified)....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....
SECTION XVII															
DISEASES AND INJURIES OF THE EYE AND THE EAR															
<i>Diseases of the Eye</i>															
A. General															
17-2-75	Astigmatism.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2028	2631	.....	.....	4659
17-3-75	Hypermetropia.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	990	1160	.....	.....	2150
17-4-75	Myopia.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	367	405	.....	.....	772
17-5-75	Presbyopia.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	942	1449	.....	.....	2391
17-6-75	Glaucoma.....	5	.....	1	.....	.....	.....	.....	.....	6	27	27	.....	.....	54
17-6a-75	Absolute.....	1	.....	2	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	.....
17-7-75	Acute.....	10	.....	13	.....	.....	.....	.....	.....	23	14	11	.....	.....	25
17-8-75	Chronic.....	28	.....	32	.....	.....	.....	.....	.....	60	12	8	.....	.....	20
17-9-75	Congenital.....	2	.....	2	.....	.....	.....	.....	.....	4	4	3	.....	.....	7
17-10-75	Hemorrhagic.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	1
17-11-75	Secondary.....	13	.....	6	.....	.....	.....	.....	.....	19	5	4	.....	.....	9
17-12-75	Simple.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	2
17-13-75	Subacute.....	1	.....	2	.....	.....	.....	.....	.....	3	.....	1	.....	.....	1
17-14-75	Traumatic.....	3	.....	.....	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	.....
17-15-75	Unclassified Diseases of the Eye.....	5	.....	1	.....	.....	.....	.....	.....	6	269	150	.....	.....	419
B. Lids															
17-16-75	Abscess.....	4	.....	2	.....	.....	.....	.....	.....	6	50	25	.....	.....	75

TABLE OF DISEASES

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE								OUT-PATIENT					
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL
		M	D	F	D	M	D	F	D		M	F	M	F	
17-18-75	Blepharitis (unclassified).....										204	228			432
17-19-75	Squamous.....										63	74			137
17-20-75	Ulcerative.....			1						1	60	54			114
17-22-75	Ecchymosis.....	1								1	27	7			34
17-23-75	Ectropion (unclassified) ..	2		1						3	24	10			34
17-24-75	Cicatricial.....	2		1						3	1	2			3
17-26-75	Senile.....	3		1						4		4			4
17-28-75	Edema.....	1								1	38	20	1		59
17-29-75	Emphysema.....										6	1	1		8
17-30-75	Entropion (unclassified) ..			1						1	7	9			16
17-31-75	Cicatricial.....	5		4						9	1				1
17-32-75	Senile.....	1								1		1			1
17-33-75	Spasmodic.....	1		1						2					
17-34-75	Hordeolum (unclassified) ..										250	192			442
17-35-75	External.....											1			1
17-36-75	Internal.....			1						1	7	4			11
17-37-75	Trichiasis.....	5		5						10	15	19			34
17-38-	Wounds and Injuries.....	11		1						12	113	16			129
17-38a-75	Epicanthus.....										8	4			12
C. Lacrimal Apparatus															
17-39-75	Concretion in Canaliculus.....										1				1
17-41-75	Dacryocystitis.....	1		3						4	23	33			56
17-42-75	Acute.....	1		6						7	16	33			49
17-43-75	Chronic.....	11		21		1				33	10	39			49
17-45-75	Fistula of Lacrimal Gland.....			1						1					
17-46-75	Fistula of Nasal Duct.....			1						1					
17-47-75	Mucoccele.....	5		9						14	15	27			42
17-48-75	Occlusion of Puncta.....										11	12			23
17-49-75	Stenosis of Naso-Lacrimal														
	Duct.....	2		1						3	40	68			108
17-49a-75	Foreign Body.....			1						1					
D. Conjunctiva															
17-51-75	Conjunctivitis (unclassified).....	2								2	108	167	1		276
17-52-75	Acute.....	15		19						34	963	530			1493
17-53-75	Chronic.....	1								1	437	322			759
17-54-75	Follicular.....			2						2	34	32			66
17-55-75	Herpetic.....										2				2
17-56-75	Membranous.....											1			1
17-58-75	Phlyctenular.....	4		1						5	87	136			223
17-59-75	Subacute.....										238	180			418
17-60-75	Vernal.....	1								1	10	2			12
17-61-75	Ecchymosis.....										138	48			186
17-62-75	Foreign Body.....	1								1	165	43			208
17-63-75	Lymphoid Hypertrophy ..			1						1	6				6
17-64-75	Powder in Conjunctiva...	1								1					
17-65-75	Pterygium.....	9		1						10	70	23			93

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE								OUT-PATIENT					
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL
		M	D	F	D	M	D	F	D		M	F	M	F	
17-65a-75	Pinguicula.....	.....	.....	.....	.....	.....	.....	.....	.....	8	3	.....	.....	11
17-66-75	Symblepharon.....	8	.....	.....	.....	.....	.....	.....	8	8	1	.....	.....	9
17-67-	Wounds and Injuries.....	14	.....	1	.....	.....	.....	.....	15	160	32	.....	.....	192
E. Cornea															
17-68-75	Conical Cornea.....	.....	.....	2	.....	.....	.....	.....	2	2	3	.....	.....	5
17-69-75	Foreign Body.....	2	.....	.....	.....	.....	.....	.....	2	1788	134	.....	.....	1922
17-70-	Injuries.....	38	.....	7	.....	.....	.....	.....	45	312	65	.....	.....	377
17-70a-75	with Hyphemia.....	.....	.....	.....	.....	.....	.....	.....	.....	4	2	.....	.....	6
17-71-75	Keratitis (unclassified)...	5	.....	1	.....	.....	.....	.....	6	50	38	.....	.....	88
17-72-75	Bullous.....	5	.....	.....	.....	.....	.....	.....	5	.....	.....	.....	.....	.....
17-73-75	Dendritic.....	1	.....	.....	.....	.....	.....	.....	1	7	5	.....	.....	12
17-74-75	Fascicular.....	2	.....	2	.....	.....	.....	.....	4	2	4	.....	.....	6
17-75-75	Herpetic.....	1	.....	.....	.....	.....	.....	.....	1	3	1	.....	.....	4
17-76-75	Interstitial.....	2	.....	7	.....	.....	.....	.....	9	32	32	.....	1	65
17-78-75	Marginal.....	4	.....	1	.....	.....	.....	.....	5	43	15	.....	.....	58
17-79-75	Neuropathic.....	5	.....	2	.....	.....	.....	.....	7	21	16	.....	.....	37
17-80-75	Neuroparalytic.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
17-81-75	Phlyctenular.....	30	.....	39	.....	.....	.....	.....	69	126	175	.....	.....	301
17-83-75	Ribbon.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1
17-84-75	Rodent Ulcer.....	1	.....	1	.....	.....	.....	.....	2	.....	.....	.....	.....	.....
17-85-75	Serpiginous.....	.....	.....	.....	.....	.....	.....	.....	.....	2	1	.....	.....	3
17-86-	Traumatic.....	23	.....	4	.....	.....	.....	.....	27	79	18	.....	.....	97
17-87-75	Ulcerative.....	43	.....	19	.....	.....	.....	.....	62	269	108	.....	.....	377
17-88-75	with Hypopyon.....	63	.....	8	.....	.....	.....	.....	71	35	6	.....	.....	41
17-91-75	Leucoma (unclassified)...	1	.....	1	.....	.....	.....	.....	2	26	18	.....	.....	44
17-92-75	Adherent.....	14	.....	3	.....	.....	.....	.....	17	19	12	.....	.....	31
17-93-75	Inflamed.....	3	.....	1	.....	.....	.....	.....	4	7	7	.....	.....	14
17-94-75	Macula.....	1	.....	1	.....	.....	.....	.....	2	68	66	.....	.....	134
17-95-75	Nebula.....	1	.....	1	.....	.....	.....	.....	2	54	64	.....	.....	118
17-96-170	Powder in Cornea.....	2	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....
17-97-	Rupture.....	1	.....	3	.....	.....	.....	.....	4	1	.....	.....	.....	1
17-98-75	Staphyloma.....	3	.....	2	.....	.....	.....	.....	5	20	17	.....	.....	37
17-99-	Wound, perforating, with Foreign Body.....	36	.....	7	.....	.....	.....	.....	43	1	.....	.....	.....	1
17-100-	in Anterior Chamber...	3	.....	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	.....
17-101-	in Globe.....	6	.....	.....	.....	.....	.....	.....	6	.....	.....	.....	.....	.....
17-102-	in Iris.....	1	.....	1	.....	.....	.....	.....	2	1	.....	.....	.....	1
17-103-	in Lens.....	2	.....	.....	.....	.....	.....	.....	2	1	.....	.....	.....	1
17-104-	in Orbit.....	2	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....
17-106-	in Vitreous.....	7	.....	.....	.....	.....	.....	.....	7	.....	1	.....	.....	1
F. Sclera															
17-107-75	Episcleritis.....	.....	.....	1	.....	.....	.....	.....	1	13	18	.....	.....	31
17-108-	Rupture.....	2	.....	.....	.....	.....	.....	.....	2	9	1	.....	.....	10
17-109-75	Scleritis.....	.....	.....	1	.....	.....	.....	.....	1	10	9	.....	.....	19
17-110-75	Sclero-keratitis.....	4	.....	6	.....	.....	.....	.....	10	5	9	.....	.....	14

TABLE OF DISEASES

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE								OUT-PATIENT					
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL
		M	D	F	D	M	D	F	D		M	F	M	F	
17-112-	Wounds, perforating, with Foreign Body.....	14	..	..	..	..	..	..	..	14	1	..	..	..	1
17-113-	in Anterior Chamber...	1	..	..	..	..	..	..	..	1	..	..	..	..	..
17-114-	in Globe.....	4	..	1	..	..	..	..	..	5	..	..	..	..	..
17-117-	in Orbit.....	2	..	..	..	..	..	..	..	2	..	..	..	..	..
17-119-	in Vitreous.....	4	..	..	..	..	..	..	..	4	..	..	..	..	..
17-119a-	Injuries.....	3	..	1	..	..	..	..	..	4	3	1	..	..	4
G. Lens															
17-120-75	Cataract.....	2	..	1	..	..	..	..	..	3	13	8	..	..	21
17-121-75	Capsular.....	33	..	23	..	..	..	..	..	56	2	3	..	..	5
17-122-75	Congenital.....	30	..	13	..	..	..	..	..	43	27	10	..	..	37
17-124-75	Complicated.....	1	..	1	..	..	..	..	..	2	1	..	..	..	1
17-125-75	Cortical.....	1	..	..	..	..	..	..	..	1	..	..	..	..	..
17-127-75	Posterior.....	..	..	..	..	..	..	..	..	..	..	1	..	..	1
17-129-75	Polar, anterior.....	..	..	..	..	..	..	..	..	..	3	3	..	..	6
17-130-75	Posterior.....	..	..	..	..	..	..	..	..	..	5	2	..	..	7
17-131-75	Presenile.....	..	..	..	..	..	..	..	..	..	..	2	..	..	2
17-132-75	Senile.....	4	..	1	..	..	..	..	..	5	5	4	..	..	9
17-133-75	Incipient.....	8	..	6	..	..	..	..	..	14	82	103	..	..	185
17-134-75	Immature.....	41	..	30	..	..	..	..	..	71	90	61	..	..	151
17-135-75	Mature.....	99	..	92	..	..	..	..	..	191	80	60	..	..	140
17-136-75	Hypermaturation.....	7	..	7	..	..	..	..	..	14	5	5	..	..	10
17-137-	Traumatic.....	43	..	9	..	..	..	..	..	52	40	5	..	..	45
17-138-	Dislocation, traumatic...	6	..	..	..	..	..	..	..	6	9	3	..	..	12
H. Uveal Tract															
17-139-75	Sympathetic Inflammation.....	1	..	2	..	..	..	..	..	3	..	..	..	..	..
17-140-75	Uveitis.....	4	..	10	..	..	..	..	..	14	14	11	..	..	25
Iris															
17-141-75	Atrophy.....	..	..	..	..	..	..	..	..	..	..	1	..	..	1
17-142-75	Excluded Pupils.....	2	..	2	..	..	..	..	..	4	1	1	..	..	2
17-142a-75	Foreign Body.....	1	..	..	..	..	..	..	..	1	..	..	..	..	..
17-143-75	Iridodialysis.....	3	..	..	..	..	..	..	..	3	13	..	..	..	13
17-144-75	Iridodonesis.....	..	..	..	..	..	..	..	..	..	6	3	..	..	9
17-145-75	Iritis.....	21	..	14	..	..	..	1	..	36	171	82	..	..	253
17-146-75	Post-operative.....	..	..	1	..	..	..	..	..	1	..	..	..	..	..
17-147-75	Rheumatic.....	8	..	2	..	..	..	..	..	10	7	1	..	..	8
17-148-75	Traumatic.....	10	..	3	..	..	..	..	..	13	16	..	..	..	16
17-149-75	Occluded Pupil.....	6	..	4	..	..	..	..	..	10	6	6	..	..	12
17-149a-75	Prolapse of Iris.....	12	..	4	..	..	..	..	..	16	..	..	..	..	..
Ciliary Body															
17-150-75	Cyclitis.....	..	..	1	..	..	..	..	..	1	..	..	..	..	..
17-151-75	Iridocyclitis.....	4	..	3	..	..	..	..	..	7	2	..	..	..	2
17-159a-75	Injuries.....	2	..	..	..	..	..	..	..	2	..	..	..	..	..

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE							OUT-PATIENT							
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL	
		M	D	F	D	M	D	F	D		M	F	M	F		
Choroid																
17-160-75	Atrophy.....									..	4	1				5
17-161-75	Choroiditis.....	3								3	40	34				74
17-162-75	Exudative.....									..	1	1				2
17-163-75	Central.....									..	1					1
17-165-75	Disseminate.....									.....		3				3
17-166-75	Metastatic.....	1								1	1					1
17-167-	Rupture, traumatic	1								1	4					4
17-167a-	Choroidal Hemorrhage...	1								1						
17-167b	Injuries of Choroid	1								1						
I. Retina																
17-169-75	Color Blindness.....									..	6					6
17-171-75	Edema.....									..	2	5				7
17-173-75	Hemorrhage, traumatic ..									..	2	1				3
17-174-75	Neuroretinitis.....									..	8	4				12
17-176-75	Retinitis.....	3		1						4	23	13				36
17-177-75	Albuminuric.....									..	6	5				11
17-179-75	Hemorrhagic.....									..	15	10				25
17-181-75	Pigmentosa.....									..	2	1				3
17-182-75	Proliferans.....									..	3	1				4
17-183-75	Separation of Retina.....	15		8						23	23	9				32
J. Vitreous																
17-186-75	Hemorrhage.....	1		1						2	5	2				7
17-188-75	Opacity.....					1				1	79	66				145
17-189a-75	Foreign Body.....	2								2						
K. Optic Nerve																
17-190-75	Atrophy.....	1		2						3	37	17				54
17-191-75	Primary.....									..	1					1
17-192-75	Secondary.....									..	1					1
17-193-75	Neuritis, Optic	2				1				3	10	8				18
17-194-75	Neuritis, Retrobulbar....	1								1	1	4				5
17-195-75	Acute.....			1						1	1	1				2
17-196-75	Chronic.....									..	15					15
L. Eyeball																
17-197-75	Contracted Orbit.....	4		9						13	2	3				5
17-198-75	Disorganized Globe.....	32		8						40	38	9				47
17-200-75	Exophthalmos.....	3		3						6	8	7				15
17-202-75	Foreign Body.....	12								12	6					6
17-203-75	Panophthalmitis.....	2		1						3	3					3
17-204-	Wounds and Injuries.....	28								28	82	11				93
17-204a-	Pseudo-Glioma.....	1		1						2						

TABLE OF DISEASES

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE								OUT-PATIENT						
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL	
		M	D	F	D	M	D	F	D		M	F	M	F		
M. Orbit																
17-206-144	Cellulitis.....	2	..	5	..	..	..	1	..	8	7	6	1	....	14	
17-207-145	Emphysema.....	..	..	..	..	..	..	..	..	..	1	..	..	..	1	
17-209-75	Hemorrhage into Orbit.....	..	..	..	..	..	..	..	..	..	1	..	..	..	1	
17-211-75	Tenonitis.....	1	..	..	..	..	..	..	..	1	1	..	..	..	1	
17-211a-	Foreign Body.....	1	..	..	..	..	..	..	..	1	..	..	..	..	..
17-211b	Wounds and Injuries.....	..	..	..	..	..	..	..	..	..	4	..	..	..	4	
N. Disturbances of Motion																
17-212-75	Nystagmus.....	..	..	1	..	..	..	..	..	1	30	22	..	..	52	
17-214-66	Paralysis of 3d Nerve....	7	..	1	..	..	..	..	..	8	36	20	..	..	56	
17-216-66	4th Nerve.....	..	..	..	..	..	..	..	..	..	10	1	..	..	11	
17-218-66	6th Nerve.....	2	..	..	..	..	..	..	..	2	16	12	..	..	28	
17-219-66	7th Nerve.....	..	..	..	..	..	..	..	..	..	2	..	..	..	2	
17-220-75	Strabismus.....	..	..	..	..	..	..	..	..	..	1	..	..	..	1	
17-221-75	Alternating.....	..	..	1	..	..	..	..	..	1	..	3	..	..	3	
17-222-75	Convergent.....	3	..	7	..	..	..	..	..	10	19	30	..	..	49	
17-223-75	Divergent.....	1	..	1	..	..	..	..	..	2	..	1	..	..	1	
17-224-75	Convergent.....	16	..	27	..	..	..	..	..	43	212	213	..	..	425	
17-225-75	Divergent.....	8	..	6	..	..	..	..	..	14	41	48	..	..	89	
17-227-75	Heterophoria.....	3	..	..	..	..	..	..	..	3	..	..	..	..	..
Diseases of the Ear																
A. General																
Deaf-mutism																
17-228-76	Acquired.....	..	..	..	..	..	..	..	..	..	..	..	5	2	7	
17-229-150	Congenital.....	..	..	..	..	..	..	..	..	..	..	..	3	2	5	
17-230-154	Deafness, senile (arterio-sclerosis).....	..	..	..	..	..	..	..	..	..	..	..	2	2	4	
17-231-76	Otalgia.....	..	..	..	..	..	..	..	..	..	..	..	..	5	5	
17-232-76	Unclassified Diseases of the Ear.....	..	..	..	..	1	..	3	..	4	..	..	11	9	20	
B. Auricle																
17-233-76	Abscess.....	..	..	..	..	..	..	..	..	..	..	..	5	2	7	
17-234-76	Preauricular.....	..	..	..	..	..	..	..	..	..	..	..	1	6	7	
17-235-76	Postauricular.....	..	..	..	..	1	..	2	..	3	..	..	33	26	59	
17-235a-76	Supra-auricular.....	..	..	..	..	..	..	..	..	..	..	..	1	..	1	
17-236-76	Hematoma (Othematoma).....	..	..	..	..	3	..	..	..	3	..	..	12	1	13	
17-238-76	Perichondritis.....	..	..	..	..	4	..	1	..	5	..	..	5	3	8	
17-239-	Wounds and Injuries.....	..	..	..	..	1	..	..	..	1	..	..	7	3	10	
C. External Auditory Canal																
17-240-76	Atresia.....	..	..	..	..	..	..	..	..	..	..	..	3	3	6	
17-241-76	Cerumen.....	..	..	..	..	..	..	..	..	..	..	..	1257	620	1877	

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE							OUT-PATIENT						
		OPTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL
		M	D	F	D	M	D	F	D		M	F	M	F	
17-243-76	Otitis, external.....					2		2		4			106	58	164
17-244-76	Circumscribed, acute...					13		11		24			131	123	254
17-245-76	Diffuse, acute.....					7		6		13			55	42	97
17-245a-76	Injury.....												2	4	6
D. Eustachian Tube															
17-246-76	Salpingitis.....												40	36	76
17-247-76	Acute.....												43	25	68
17-249-76	Chronic.....												2	8	10
E. Middle Ear and Mastoid															
17-250-	Injury to Membrana Tympani.....												4		4
17-251-	Rupture.....												5		5
17-251a-76	Mastoiditis, unclassified..												86	71	157
17-252-76	Acute.....					12		8		20			25	19	44
17-252a-76	Chronic.....					3		5		8			18		18
17-253-76	Myringitis.....												8	5	13
17-254-76	Otitis media, acute and chronic.....					13		6		19			634	406	1040
17-254a-76	with Mastoiditis.....					2				2			38	21	59
17-255-76	Non-suppurative, chronic.....													1	1
17-257-76	Adhesive.....												28	19	47
17-258-76	with salpingitis, acute.....					3				3			160	123	283
17-258a-76	with salpingitis, chronic.....					11		2		13			615	455	1070
17-259-76	Suppurative, acute....					31		25		56			687	467	1154
17-260-76	With acute suppurative mastoiditis..					196		141		337			100	132	232
17-260a-76	with Bezold's abscess.....					5				5			3	1	4
17-261-76	with infective sinus thrombosis.....					5		5		10					
17-262-76	with epidural abscess.....					3		1		4					
17-262a-76	with perisinus abscess.....					3		7		10					
17-263-76	with cerebral abscess.....					1	1	1		2					
17-264a-76	with postaural abscess.....							4		4			6	1	7
With acute suppurative labyrinthitis															
17-270-76	with epidural abscess.....					1		1		2					
17-271-76	with cerebellar abscess.....					1				1					

TABLE OF DISEASES

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE								OUT-PATIENT						
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL	
		M	D	F	D	M	D	F	D		M	F	M	F		
17-272-76	with purulent lep- tomeningitis....					3	2	1	1	4						
17-273-76	with infective sinus thrombosis.....					5	2	2		7				1	1	
17-274-76	With direct infection of the jugular bulb.												3		3	
17-275-76	Suppurative, chronic...					45		41		86			490	418	908	
17-275a-76	With mastoiditis....					61		50		111			25	23	48	
17-275b-76	With cholesteatoma..					3		2		5			4	2	6	
17-276-76	With acute diffuse suppurative laby- rinitis.....												1		1	
17-280-76	With purulent lepto- meningitis.....							1	1	1						
17-281-76	With infective sinus thrombosis.....					5	1	2		7						
17-282-76	Results of.....					8		8		16			178	276	454	
17-283-76	Otosclerosis.....							1		1			3	12	15	
F. Internal Ear																
17-285-76	Hemorrhage.....												2	1	3	
17-287-76	Injury to internal auditory meatus.....												2		2	
17-288-76	Labyrinthitis(unclassified) Suppurative					14		9		23			15	10	25	
17-290-76	Diffuse.....												1		1	
17-291-76	with fistula.....					2				2			1	1	2	
17-294-76	Circumscribed.....					1		1		2						
17-295-76	Diffuse serous.....					3		1		4						
SECTION XVIII																
DISEASES OF THE NOSE																
18-1-86	Atresia of Nostril.....					1				1			1		1	
18-2-86	Anosmia.....												1		1	
18-3-86	Hypertrophy of Turbinate					12		15		27			92	62	154	
18-4-86	Deformity of Nose.....					13		3		16			7		7	
18-5-86	Epistaxis.....					2				2			22	13	35	
Septum																
18-9-86	Deviation.....					347		130		477			723	365	1088	
18-10-86	Perforation.....					2				2			16	7	23	
18-11-86	Abscess.....												5	2	7	
18-12-86	Spur.....					2		1		3			30	14	44	
18-13-86	Ozena (Atrophic Rhinitis)							1		1			18	40	58	
18-14-86	Rhinitis.....												18	18	36	
	Acute.....							2		2			51	69	120	
	Chronic.....					1		1		2			94	52	146	
	Hypertrophic.....												18	13	31	
	Purulent.....												8	1	9	
18-15-86	Vasomotor Rhinitis.....												3	14	17	

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

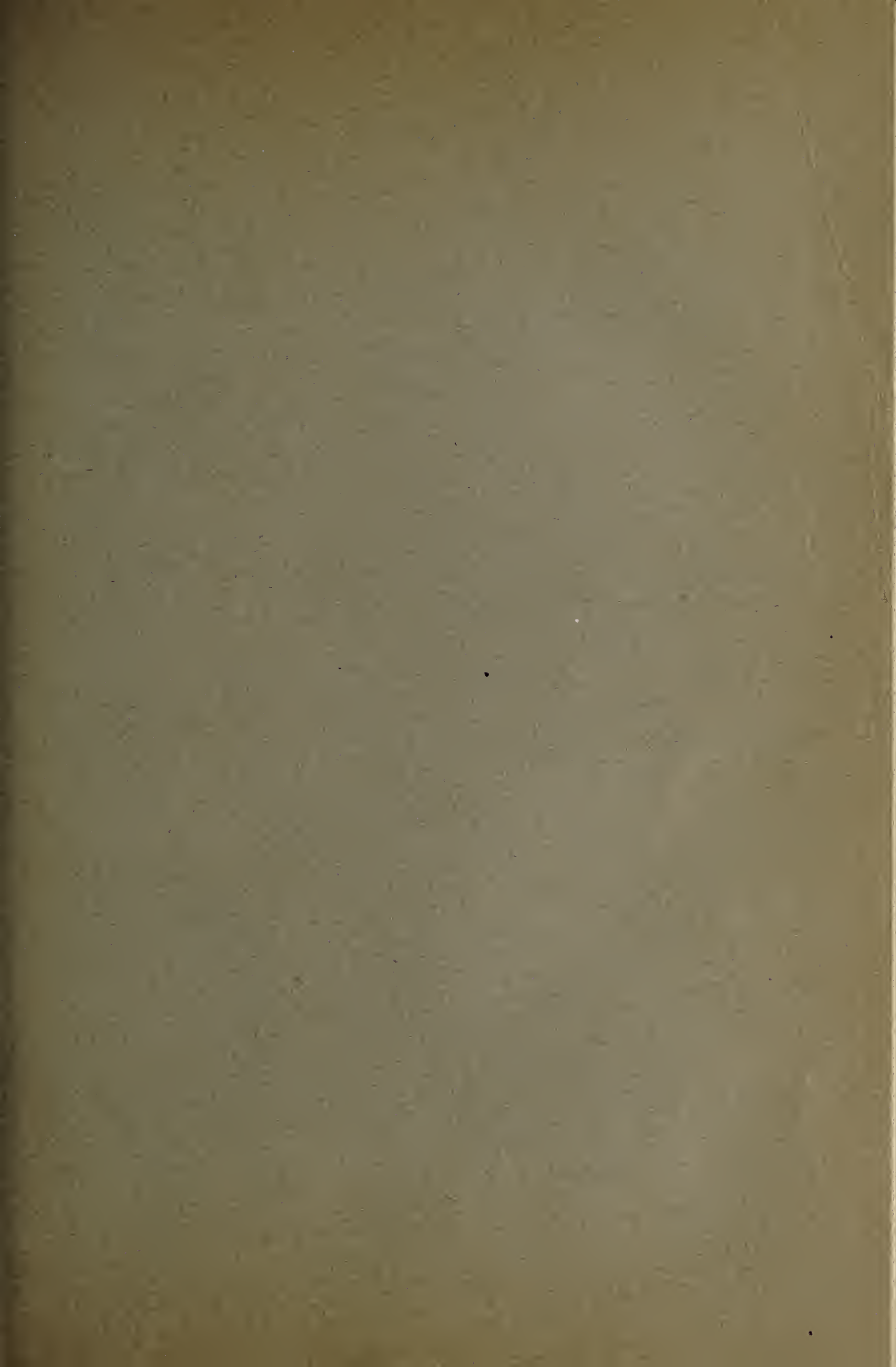
TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE								OUT-PATIENT					
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL
		M	D	F	D	M	D	F	D	M	F	M	F		
18-18-86	Ulcer.....												2	1	3
18-19-86	Sinusitis.....					53		55		108	2	1	124	126	253
18-20-143	Furuncle.....										2	2	5	2	11
18-21-146	Ethmoiditis.....					35		24		59			37	39	76
18-22-143	Furunculosis of Vestibule.....												5		5
18-23-145	Eczema of Vestibule.....												21	16	37
18-24-	Wounds and Injuries.....												2	2	4
18-25-86	Unclassified Diseases of the Nose.....					2		3		5			5	8	13
SECTION XIX															
DISEASES OF THE MOUTH, LIPS, CHEEKS, PHARYNX, TONSILS, PALATE															
19-4-99	Abscess of Cheek.....							1		1		1			1
19-6-99	Concretion in Salivary Gland.....							1		1					
19-8-99	Inflammation of Salivary Gland.....					1				1			1	3	4
19-14-	Wounds and Injuries of Mouth and Lip.....												1		1
19-16-100	Tonsillar Abscess.....							1		1			1	2	3
19-17-100	Peritonsillar Abscess.....	1				3		4		8			12	11	23
19-19-100	Hypertrophy of Tonsils ..					29		31		60			109	137	246
19-21-100	Tonsillitis (unclassified) ..					10		8		18			12	15	27
	Acute.....					3		1		4			25	12	37
	Chronic.....					9		5		14			40	35	75
	Follicular.....							2		2			5	8	13
19-23-100	Tonsils and Adenoids.....					572		554		1126			832	717	1549
19-24-86	Adenoids.....					135		119		254			236	305	541
19-25-86	Adenoids, Hypertrophied.....					1				1					
19-26-100	Unclassified Diseases of Tonsils.....					10		13		23			32	46	78
19-28-100	Retropharyngeal Abscess.....					1		2		3					
19-29-100	Pharyngitis.....							1		1			22	15	37
	Acute.....												22	11	33
	Chronic.....												26	22	48
	Nasopharyngitis												9	13	22
19-32-100	Vincent's Angina.....					1				1					
19-33-100	Foreign Body in Pharynx.....												2		2
19-39-100	Elongation of Uvula.....												6	2	8
19-41-100	Unclassified Diseases of Palate.....												1	3	4
SECTION XX															
DISEASES OF THE JAW, TEETH, AND GUMS															
20-1-99	Alveolar Abscess.....							2		2			3	1	4
20-2-99	Pyorrhea Alveolaris.....												2	4	6

TABLE OF DISEASES

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE							OUT-PATIENT							
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL	
		M	D	F	D	M	D	F	D		M	F	M	F		
20-3-99	Caries of Teeth.....							2	2					36	46	82
20-6-99	Odontalgia.....													55	120	175
20-11-99	Impacted and Imbedded Teeth.....													1	2	3
SECTION XXI																
DISEASES OF THE TONGUE																
21-3-99	Glossitis (acute, chronic)..														1	1
21-9-99	Unclassified Diseases of the Tongue.....													1		1
SECTION XXII																
DISEASES OF THE ESOPHAGUS																
22-1-101	Dilatation.....							1	1							
22-2-101	Diverticulum.....					2			2							
22-6-101	Stricture.....					3		2	5							
22-7-103	Cardiospasm.....					2			2							
22-8-	Wounds and Injuries.....							1	1	1						
22-9-101	Unclassified Diseases of the Esophagus.....							1	1							
SECTION XXIII																
DISEASES OF THE STOMACH																
23-6-103	Deformity, Acquired.....													1		1
23-34-102	Ulcer, Peptic.....													1		1
SECTION XXIV																
DISEASES OF THE INTESTINES																
24-13-110	Constipation.....													1		1
24-33-105	Indigestion, Intestinal....							1	1							
SECTION XXIX																
DISEASES OF THE LARNYX																
29-7-186	Foreign Body.....					1		1	2						3	3
29-9-87	Laryngitis (unclassified) .													4	1	5
29-10-87	Laryngitis (acute and chronic).....													13	8	21
29-18-87	Stenosis.....														1	1
29-20-87	Unclassified Diseases of the Larynx.....													1		1

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE							OUT-PATIENT							
		OPHTHALMIC				AURAL				Total	OPHTHALMIC		AURAL		Total	
		M	D	F	D	M	D	F	D		M	F	M	F		
SECTION XXX																
DISEASES OF THE TRACHEA AND BRONCHI																
30-1-96	Asthma.....					1				1				1		1
30-7-89	Bronchitis, Acute.....							1		1						
SECTION XXXI																
DISEASES OF THE LUNGS																
31-1-98	Abscess.....					1				1						
SECTION XXXII																
DISEASES OF THE PLEURA AND MEDIASTINUM																
32-1-93	Empyema.....							1	1	1						
32-12-93	Pleurisy, Sero-fibrinous, or with effusion.....							1		1						
SECTION XXXIII																
DISEASES OF THE KIDNEY AND URETER																
33-17-119	Nephritis, Acute.....					1		1		2						
SECTION XXXIX																
ILL-DEFINED, OR UNCLASSIFIED DISEASES																
39-5-189	Debility.....													1		1
39-12-189	Headache.....												2	1		3
39-14-189	Hemorrhage, Post- operative.....					3		3		6						
39-16-189	Malingerer.....							1		1			1			1
39-19-189	No Diagnosis. Unknown Disease.....					9				9	294	147	166	124		731
39-20-189	No Disease.....							1		1			64	90		154
39-21-189	Operation Wound.....												11	7		18
FINAL TOTALS		1178		716		1858		1419		5171	13401	10648	8392	6479		38920
DEATH TOTALS			3		2		20		13	38						



Form of a Bequest to the Infirmary

*I give and bequeath to the Massachusetts
Charitable Eye and Ear Infirmary of Boston,
the sum of dollars, to be applied to the
uses of said Infirmary.*

Ninety-third Annual Report
of the
Massachusetts Charitable
Eye and Ear Infirmary

For the Year
1918

THE MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

233 CHARLES STREET, COR. FRUIT STREET, BOSTON

OUT-PATIENT DEPARTMENT

The Out-Patient Department is open daily, excepting Sundays and legal holidays, from 8.30 to 10.30 A.M., for examination and treatment of all poor persons afflicted with disease of the eye or ear. Persons needing treatment in the hospital wards will be advised accordingly. Medicines and glasses are furnished at the Infirmary, but neither prescription nor advice will be sent by mail, express, or messenger.

HOSPITAL

Persons recommended for admission to the hospital wards should apply at the Superintendent's office before 1 P.M. *on weekdays only, excepting legal holidays.*

Accident and emergency cases admitted at any time.

All communications about the Infirmary or any inmate must be addressed to the Superintendent, and should contain the full name of the patient as well as the name and address of the writer.

Persons admitted to the wards as in-patients will be charged for board at the rate of seventeen dollars and fifty cents per week, payable in advance, unless some special arrangement is made by the Superintendent. No reduction in rate of board made to those residing outside the Commonwealth of Massachusetts.

Visitors will be admitted to see patients from 2 to 3 o'clock in the afternoon, and but one visitor a day is allowed to each patient over seven years of age. Children under seven years of age may be visited on Sundays and legal holidays from 2 to 3 P.M., when two visitors are permitted. Visitors may be excluded at any time.

On Sundays and holidays two visitors are allowed each patient.

The Infirmary reserves the right to investigate every case.



MAIN BUILDING, MARCH, 1899

Ninety-third Annual Report
of the
Massachusetts Charitable
Eye and Ear Infirmary

For the Year
1918

Boston
Griffith-Stillings Press
1919

Officers

Board of Managers, 1918 – 1919

GEORGE P. GARDNER Feb. 1, 1887	HERBERT M. SEARS Dec. 20, 1905
HENRY PARKMAN May 2, 1893	★CHARLES P. CURTIS Feb. 5, 1907
WILLIAM D. SOHIER ¹ Jan. 7, 1896	ROBERT H. STEVENSON, Jr. Feb. 5, 1907
★ROBERT HOMANS May 1, 1900	JOHN LAWRENCE ¹ Feb. 5, 1907
WILLIAM S. SPAULDING Feb. 4, 1902	JAMES DEAN June 12, 1914
WILLIAM C. ENDICOTT Feb. 3, 1903	JAMES C. HOWE June 12, 1914
RUSSELL G. FESSENDEN Feb. 3, 1903	EDWARD H. BRADFORD, M.D. Oct. 31, 1918

President

EDWARD H. BRADFORD, M.D.

Secretary

JAMES C. HOWE, 17 Court Street, Boston

Treasurer

HENRY PARKMAN, 53 State Street, Boston

Executive Committee

GEORGE P. GARDNER

JOHN LAWRENCE

HERBERT M. SEARS

Finance Committee

RUSSELL G. FESSENDEN

JAMES DEAN

WILLIAM S. SPAULDING

¹ Appointed by the Commonwealth.

★ Absent on War Service

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Visiting Committee

January	Mr. HOWE	July	Mr. PARKMAN
	Mr. SEARS		Mr. STEVENSON
February . . .	Mr. SEARS	August	Mr. STEVENSON
	Dr. BRADFORD		Mr. HOMANS
March	Dr. BRADFORD	September . . .	Mr. HOMANS
	Mr. SPAULDING		Mr. CURTIS
April	Mr. SPAULDING	October	Mr. CURTIS
	Mr. FESSENDEN		Mr. ENDICOTT
May	Mr. FESSENDEN	November . . .	Mr. ENDICOTT
	Mr. DEAN		Mr. GARDNER
June	Mr. DEAN	December . . .	Mr. GARDNER
	Mr. PARKMAN		Mr. HOWE

Ladies' Visiting Committee

Mrs. ROBERT SHAW RUSSELL, <i>Chairman</i>	Mrs. HAROLD PEABODY
Mrs. REGINALD FOSTER	Mrs. GEORGE CABOT LODGE
Miss THERESA L. MERRIAM	Miss CLARA B. WINTHROP
Mrs. THOMAS PELHAM CURTIS	Mrs. REGIS POST
Miss ALICE FAY	Mrs. PIERCE MCGANN
Mrs. JOHN L. BREMER	Miss BRED A GROSS

Executive Officers

Superintendent

★FREDERIC A. WASHBURN, M.D.

Assistant Superintendent

EUGENE WALKER, M.D.

Surgical Board

Consulting Ophthalmic Surgeons

HENRY W. BRADFORD, M.D.	EDWIN E. JACK, M.D.
H. BECKLES CHANDLER, M.D.	FREDERICK E. CHENEY, M.D.
MYLES STANDISH, M.D.	HENRY H. HASKELL, M.D.

Consulting Aural Surgeons

J. ORNE GREEN, M.D.	CLARENCE J. BLAKE, M.D.
EDWARD M. PLUMMER, M.D.	

★Absent on War Service

OFFICERS

Ophthalmic Chiefs of Service

★ALEXANDER QUACKENBOSS, M.D.

Aural Chiefs of Service

FREDERICK L. JACK, M.D.

★EUGENE A. CROCKETT, M.D.

Ophthalmic Surgeons

FRED M. SPALDING, M.D.

★FREDERICK H. VERHOEFF, M.D.

★A. GARDNER MORSE, M.D.

PETER H. THOMPSON, M.D.

★GEORGE S. DERBY, M.D.

Aural Surgeons

PHILIP HAMMOND, M.D.

★HARRIS P. MOSHER, M.D.

D. HAROLD WALKER, M.D.

★WILLIAM F. KNOWLES, M.D.

Assistant Ophthalmic Surgeons

CHARLES D. JONES, M.D.

EDWARD K. ELLIS, M.D.

SAMUEL J. McDONALD, M.D.

WILLIAM N. SOUTER, M.D.

W. HOLBROOK LOWELL, M.D.

★WALTER B. LANCASTER, M.D.

GEORGE H. RYDER, M.D.

★RALPH A. HATCH, M.D.

HENRY HAWKINS, M.D.

Assistant Aural Surgeons

★GEORGE L. TOBEY, Jr., M.D.

★FREDERICK L. BOGAN, M.D.

★FRANCIS P. EMERSON, M.D.

★DANA W. DRURY, M.D.

LEON E. WHITE, M.D.

JOHN H. BLODGETT, M.D.

CALVIN B. FAUNCE, Jr., M.D.

D. CAMPBELL SMYTH, M.D.

Ophthalmic Clinical Assistants

★THOMAS F. CAPELES, M.D.

ROLAND C. MACKENZIE, M.D.

HENRY G. CARROLL, M.D.

★GEORGE H. POIRIER, M.D.

★HAROLD B. CHANDLER, M.D.

PERCY C. PROCTOR, M.D.

★JOHN J. GILBERT, M.D.

HUGO B. C. REIMER, M.D.

★EDWIN B. GOODALL, M.D.

ROSS E. SAVAGE, M.D.

★HARVEY J. HOWARD, M.D.

FREDERICK N. STEPHENS, M.D.

★JOHN G. JENNINGS, M.D.

★HENRY B. STEVENS, M.D.

WILLIAM LIEBMAN, M.D.

CLARENCE F. WORTHEN, M.D.

Aural Clinical Assistants

NEWTON S. BACON, M.D.

OLIVER A. LOTHROP, M.D.

★CLARENCE H. BIRDSALL, M.D.

★GEORGE H. POIRIER, M.D.

★HARRY P. CAHILL, M.D.

★CHARLES T. PORTER, M.D.

★FRANKLIN CAMPBELL, M.D.

FRED A. SIMMONS, M.D.

★WILLIAM J. HARKINS, M.D.

IRVING SOBOTKY, M.D.

★FREDERICK T. HILL, M.D.

★HAROLD G. TOBEY, M.D.

★ROBERT J. KISSOCK, M.D.

WALTER H. YOUNG, M.D.

★WILLIAM I. WIGGIN, M.D.

Pathologist

★FREDERICK H. VERHOEFF, M.D.

Consulting Neurologists

WALTER E. PAUL, M.D.

★JAMES B. AYER, M.D.

★Absent on War Service

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Consulting Surgeons

★SAMUEL J. MIXTER, M.D.

★LINCOLN DAVIS, M.D.

Consulting Physicians

THEODORE J. EASTMAN, M.D.

HARRY LINENTHAL, M.D.

GERALD BLAKE, M.D.

★LESLEY H. SPOONER, M.D.

LOUIS G. MEAD, M.D.

WILLIAM B. ROBBINS, M.D.

Physician to Children

FRITZ B. TALBOT, M.D.

Assistant Physician to Children

RICHARD M. SMITH, M.D.

Assistants in the Care of Children

★J. HERBERT YOUNG, M.D.

★JOHN W. HAMMOND, Jr., M.D.

LOUIS W. GILBERT, M.D.

ARTHUR A. HOWARD, M.D.

★RICHARD S. EUSTIS, M.D.

WILLIAM R. P. EMERSON, M.D.

Consulting Anæsthetist

★ARTHUR M. DODGE, M.D.

Roentgenologist

WILLIAM LIEBMAN, M.D.

Refractionists

ROLAND C. MACKENZIE, M.D.

CLARENCE F. WORTHEN, M.D.

House Staff

Ophthalmic House Surgeons

J. ROBERT BURKE, M.D.

HARRY P. FINCK, M.D.

Aural House Surgeons

S. LAIRD ALEXANDER, M.D.

PHILIP E. MELTZER, M.D.

Superintendent of Nurses

MARY COONAHAN, R.N.

Head Social Service Worker

JESSIE M. C. HUME, R.N.

★Absent on War Service

Report of the Board of Managers

THE Massachusetts Charitable Eye and Ear Infirmary was incorporated by a Special Act of the Legislature on February 23, 1827. Since that time an enormous amount of charitable work has been done. Now the citizens of Massachusetts, in passing the anti-aid amendment, have automatically cut off the Infirmary's state aid which we have been receiving in ever-increasing amounts since 1850, when we obtained \$2,000.00. For the past eight years we have received \$45,000.00 annually, and even with this aid our deficits have run from \$1,000.00 to \$23,000.00 a year. This past year we had a deficit of over \$6,000.00 in spite of the fact that we received aid to the amount of \$45,000.00 from the state. This year we look forward to an enormous deficit, perhaps as large as \$50,000.00. Our friends must come to the rescue with large donations, and patients must pay for their board. If aid does not come the work must be curtailed, and portions of the Infirmary must be closed. This cannot be even contemplated. We still have humane and charitable doctors who are willing and eager to help the poor, but for their meals, drugs, and dressings, patients will be expected to pay. Our ward rates have been increased, as have the out-patient fees; numbers of employees have been dispensed with; and supplies, as always, are bought in the most economical way we know of.

The Infirmary is the second oldest hospital in New England and has a capacity of 219 beds (main Hospital 161 beds, Gardner Building 33 beds, and Private Ward 25 beds); an Out-Patient Department; a special building containing the above-named 33 beds for the treatment of infectious ophthalmia and of contagious diseases developed in the wards of the Infirmary; a Pathological Laboratory; and a Nurses' home, with accommodations for 92; which make the Infirmary the largest hospital in the world for the treatment of diseases of the eye and ear.

For those of you who are unfamiliar with the work of the Infirmary we will try to express briefly our aims and ideals. We

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

endeavor when any patient makes a visit to our Out-Patient Department to at least save what sight or hearing she or he may then have, and are fortunate enough, many times, in restoring vision and hearing to patients who would otherwise, if left without treatment, become blind or deaf. Especially is this true in infant patients who are born with an infectious disease of the eyes, called Ophthalmia Neonatorum, and who, if not attended to at once, would probably become totally blind. We feel that the Infirmary has amply repaid the Commonwealth for any money they have given to us by the saving of the sight of many people who might have become blind, and possibly state charges, if they had not received the expert care which we are able to administer. We attempt also to spread the work of preventing blindness through our patients discharged from the Infirmary. Our Social Service Department is expressly carrying out this particular work, and the co-operation with the different organizations which we instigate is widespread and of untold benefit throughout the state; furthermore, we report cases of patients with less than one-tenth per cent of normal vision, and scarred cornea, to the Massachusetts Commission for the Blind, so that they may see that adequate investigation is made. Especially do we emphasize this report if we suspect any neglect, in order that the Commission may educate that particular community so that further carelessness may be avoided. In our work our attention has been forcibly called to the fact that the facilities for teaching deaf children are very limited. Out of a total of 49 absolutely deaf children treated here this past year, we were able to place only 11 in educational institutions. It is true that 10 others have their applications filed, but it will be a long time before they will be admitted, and 28 more are awaiting an opportunity for education. Massachusetts as a state should do something for its deaf, especially as it has so well provided for its blind.

Dr. George Brune Shattuck, who was elected a member of the Board of Managers, and also their president, on October 30, 1902, has resigned. During the past sixteen years he has contributed largely to the success and increase of the work. The Board of Managers regret exceedingly that he has severed his connection with the Infirmary and are grateful for his never-failing interest

REPORT OF THE BOARD OF MANAGERS

in their work. Dr. Edward H. Bradford, formerly Dean of the Harvard Medical School, has been elected to take Dr. Shattuck's place.

During the year we have suffered from a lack of personnel. Those absent on war service will be noted in the list of officers, and those who have been left behind have risen to the occasion nobly, though it has taken a great amount of their time; we think that under the unusual conditions existing our medical work has been performed well. The following doctors, ex-members of our staff, have willingly assisted in the work: Doctors H. H. Haskell, E. W. Clap, E. T. Easton, P. Somers Smyth, and W. W. Hennessey. We lost three of our House Officers, Doctors J. J. Gilbert, R. E. Merritt, and J. H. C. Gallagher, before they had completed their course.

Improvements

Rooms in the basement of the Nurses' Home, formerly occupied by men, have been renovated and given over to the women.

Service flag and pole erected.

New X-ray machine and apparatus installed.

Private operating room renovated and hood installed over sterilizer to allow steam to escape.

Reception room in Private Ward furnished and equipped.

Incinerator built in basement.

Circular plot in back yard removed to make a better parking place for automobiles.

The Board of Managers desires to acknowledge with thanks the following gifts received during the past year:

THROUGH THE TREASURER	
Mrs. Allston Burr	\$10.00
Russell G. Fessenden	25.00
Massachusetts Humane Society	500.00
Herbert M. Sears	100.00
	<hr/> \$635.00

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

THROUGH THE SUPERINTENDENT

Mrs. H. W. Giess	\$25.00	
Mr. Michael Glennon	5.00	
Miss Theresa L. Merriam (for special work)	25.00	
Miss Theresa L. Merriam (for Christmas entertainment)	5.05	
Anonymous (for Christmas entertainment)	5.00	
Radcliffe Students, Recreation Fund (for Christmas enter- tainment)	7.95	
Mrs. Alena Ridgeway (for Christmas entertainment) .	1.00	
Mrs. Robert S. Russell } (for industrial worker)	500.00	
Mr. John Lawrence }		
Mr. Peter Sluttoni	2.00	\$576.00
		<u>\$1,211.00</u>

FOR SOCIAL SERVICE

Emergency Fund

Miss Theresa L. Merriam	\$5.00	
Mrs. Robert S. Russell	75.00	
		<u>\$80.00</u>
To Dr. D. HAROLD WALKER toward the salary of an Ear Social Service Worker:		
Mabel S. Agassiz	\$50.00	
Harriet H. Brayton	200.00	
Dr. D. Harold Walker	15.00	
		<u>265.00</u>

For Special Purposes

American Invalid Aid Society	\$7.00	
Miss Harriet L. Foss	1.50	
Miss Belle Greene	15.00	
Scots Charitable Society	89.00	112.50
		<u>\$457.50</u>

* * * * *

Books and Magazines: Miss Rae Lamb, Mrs. Reginald Foster, Miss Augusta Patten, Miss Ida M. Cannon, Mrs. Alena Ridgeway, Rev. Mr. Simpson, Miss Elizabeth Johnson, Mrs. Robert Willard, Anonymous.

Christmas Tree Ornaments and Toys: Miss Theresa L. Merriam, Miss Curtis, Miss Jessie M. C. Hume, Miss Emma S. Morrill.

Clothing: Phillips Brooks House, Miss M. D. Woodworth, Miss Mary Church, Dr. and Mrs. E. K. Ellis, Dr. and Mrs. F. M. Spalding.

REPORT OF THE BOARD OF MANAGERS

Flowers: Miss Ida Dow, Miss Anne Campbell, Mr. D. M. Smith, Mrs. Charles G. Wells.

Glasses: Mrs. G. H. Monks, Mrs. John E. Devlin, Mrs. Allen Curtis, Miss Harriet R. White.

Old Linen: Miss Barnes.

Ophthalmoscope: Mrs. Robert Willard.

Picture Scrap Books: Girls' Friendly Society.

Potatoes: Mrs. Louis Baker.

Tools for Industrial Work: Union Twist Drill Co.

Toys: Mrs. Thomas Curtis.

Use of Automobile: Women's Volunteer Motor League.

Wood for Industrial Work: Paine Furniture Co.

WILLIAM C. ENDICOTT, *Chairman*,
JAMES DEAN,
JAMES C. HOWE,

Committee of the Board of Managers.

Report of the Treasurer

Income, Receipts, and Disbursements

For the Year Ending September 30, 1918

INCOME

Received income from investments, net	\$26,212.75
Received interest on deposits	598.12
Received from Commonwealth of Massachusetts . . .	45,000.00
Received from estate of R. B. Brigham	1,000.00
Received from estate of E. V. Ashton	2,000.00
Received from gifts	635.00
	<hr/> \$75,445.87

EXPENSES PAID BY TREASURER

Insurance on buildings	\$1,247.08
Auditors	242.50
Gratuity to John G. Schroeder	500.00 ✓
Rent of safe	40.00
Advertising and miscellaneous	30.40
	<hr/> 2,059.98

\$73,385.89

Received income Weber Fund, one-half credited to capital	\$75.00
Received income Brooks Fund, credited to Social Service	250.00
Received income Sears Fund, credited to Social Service	960.00
Received income Aural Instrument Fund, credited to instruments	600.00
Received from R.R. bonds paid at maturity	10,000.00
Rceived from legacy of W. B. Sewall	25,000.00
	<hr/> \$110,270.89

Paid at sundry times to Superintendent	81,900.00
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\$28,370.89

Cash on hand September 30, 1917	21,318.41
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Cash on hand September 30, 1918	<hr/> \$49,689.30
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SUPERINTENDENT'S REPORT

Received from patients, etc., as per detailed report	\$113,134.31
Received from gifts	1,033.50
Received from Treasurer	81,900.00
	<hr/> \$196,067.81

REPORT OF THE TREASURER

Hospital expenses as per detailed report	\$187,763.14	
Social Service expenses, as per detailed report	7,244.07	
Instruments bought from Instrument Fund	633.09	
		<hr/> \$195,640.30
Balance		427.51
Cash on hand September 30, 1917		108.71
		<hr/>
Cash on hand September 30, 1918		\$536.22

SOCIAL SERVICE DEPARTMENT

Income Sears Fund	\$960.00	
Income Brooks Fund	250.00	
Gifts from Treasurer	635.00	
Gifts from Superintendent	403.50	
Received from Income Account	4,995.57	
		<hr/> \$7,244.07
Paid for salaries	\$6,816.22	
Paid for stationery, printing, etc.	142.25	
Paid for carfares	100.91	
Paid for postage, etc.	184.39	
		<hr/> 7,244.07

INVESTMENTS

Railroad Bonds

Book Value		Par Value
\$8,785.78	{ Atchison, Topeka & Santa Fé Ry. Gen. Mtg. 4% Atchison, Topeka & Santa Fé Ry. Adjustment 4%	{ \$11,500.00
4,545.40	Atchison, Topeka & Santa Fé Ry. Convertible 4%	5,000.00
9,925.00	Boston & Albany R.R. Improvement 4%	10,000.00
10,325.00	Canadian Pacific Ry. 6%	10,000.00
10,637.50	Chicago, Milwaukee & St. Paul R.R. 6%	10,000.00
10,287.50	Chicago, Burlington & Quincy R.R., Ill. Div., 4%	10,000.00
5,244.00	Cincinnati, Indianapolis, St. Louis & Chicago 6%	5,000.00
24,900.00	Chicago Junction Rys. & Union Stock Yards Mort- gage 4%	25,000.00
10,400.00	Chesapeake & Ohio General Mortgage 4½%	10,000.00
10,500.00	Chicago City Ry. 5%	10,000.00
10,675.00	Fitchburg R.R. 4%	10,000.00
4,502.50	Kansas City, Clinton & Springfield 5%	5,000.00
9,095.00	{ Kansas City, Memphis & Birmingham 4%. . . } Kansas City, Memphis & Birmingham 5%. . . }	13,500.00
10,008.50	Kansas City, Memphis Ry. & Bridge Co. 5%	10,000.00
24,012.50	Long Island R.R. 4%	25,000.00
<hr/> \$163,843.68	Amounts carried forward	<hr/> \$170,000.00

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

<i>Book Value</i>		<i>Par Value</i>
\$163,843.68	<i>Amounts brought forward</i>	\$170,000.00
8,100.00	Michigan Cent. R.R. 3½%	10,000.00
13,776.70	New York Central & Hudson River R.R. 3½%	15,000.00
9,960.00	Northern Pacific Ry. 3%	15,000.00
9,450.00	Oregon Short Line 4%	10,000.00
10,000.00	St. Johnsbury & Lake Champlain 5%	10,000.00
<hr/> \$215,130.38		<hr/> \$230,000.00

MISCELLANEOUS BONDS

<i>Book Value</i>		<i>Par Value</i>
\$4,712.50	American Agricultural Chemical Co. 5%	\$5,000.00
19,271.53	American Tel. & Tel. Coll. Tr. 4%	21,000.00
4,934.37	American Tel. & Tel. Coll. Tr. 5%	5,000.00
8,000.00	Butte Electric & Power Co. 5%	8,000.00
9,550.00	California Gas & Electric Corporation 5%	10,000.00
14,700.00	Detroit Edison Co. 5%	15,000.00
4,582.64	Edison Electric Co. of Los Angeles 5%	5,000.00
9,850.00	Georgia Ry. & Electric Co. 5%	10,000.00
6,965.00	Louisville & Jeffersonville Bridge Co. 4%	7,000.00
4,900.00	Mass. Elec. Co. 5%	5,000.00
6,700.00	Mass. Hospital Life Ins. Co.	6,700.00
5,055.00	National Tube Co.	5,000.00
5,425.00	New York City 4½%	5,000.00
15,000.00	New Eng. Tel. & Tel. 5%	15,000.00
9,900.00	Republic France Conv. 5½%	10,000.00
3,000.00	Savannah Electric Co. 5%	3,000.00
10,600.00	Seattle Electric Co. 5%	10,000.00
5,037.50	Southern Bell Tel. 5%	5,000.00
9,800.00	Southern California Edison Co. 5%	10,000.00
5,100.00	State of Massachusetts 3%	5,000.00
4,993.75	Swift & Co. 5%	5,000.00
10,150.00	Tacoma Ry. & Power Co. 5%	10,000.00
4,975.00	United Electric Securities Co. 5%	5,000.00
9,850.00	United Kingdom, Great Britain and Ireland 5½%	10,000.00
14,693.75	United States Steel Corp. 5%	15,000.00
<hr/> \$207,746.04		<hr/> \$210,700.00

RAILROAD STOCKS

<i>No. of Shares</i>		<i>Book Value</i>
135	Atchison, Topeka & Santa Fé Ry. Preferred	\$10,792.66
16	Boston & Maine R.R. Common	840.00
2	Boston & Providence R.R.	510.00
100	Chicago Junction Rys. & Union Stock Yards Preferred	11,907.50
	<i>Amount carried forward</i>	<hr/> \$24,050.16

REPORT OF THE TREASURER

<i>No. of Shares</i>		<i>Book Value</i>
	<i>Amount brought forward</i>	\$24,050.16
25	Concord & Montreal R.R.	1,346.25
62	Chicago & Northwestern R.R. Common	7,981.25
21	Fitchburg R.R. Preferred	2,063.13
20	Manchester & Lawrence R.R.	1,830.00
100	Manhattan Railway	14,187.50
50	New York Central & Hudson River R.R.	5,881.25
4	New York, New Haven & Hartford R.R.	315.50
15	Northern R.R.	1,215.00
100	Union Pacific R.R. Preferred	8,156.25
5	Vermont & Mass. R.R.	410.00
		<hr/>
		\$67,436.29

REAL ESTATE

<i>No. of Shares</i>		<i>Book Value</i>
15	Boston Ground Rent Trust	\$1,500.00
10	Boston Real Estate Trust	10,260.75
2	Devonshire Building Trust	200.00
5	Providence Building Trust	500.00
5	Warren Chambers Trust	500.00
		<hr/>
		\$12,960.75

MISCELLANEOUS STOCKS

<i>No. of Shares</i>		<i>Book Value</i>
100	American Sugar Refining Co. Preferred	\$11,680.75
246	American Tel. & Tel. Co.	30,286.62
3	Walter Baker Co., Ltd.	1,200.00
250	Ballard Vale Mills Preferred	25,000.00
9	Boston Personal Property Trust	990.00
3	Edison Electric Illuminating Co.	781.50
58	Mass. Elec. Preferred	5,000.00
3	N. E. Tel. & Tel.	399.75
104	West End St. Ry. Common	7,790.70
8	Western Union Tel. Co.	504.00
		<hr/>
		\$83,633.32

SUMMARY

Stocks and Bonds: Investments (book value)	\$586,906.78
New Infirmary	347,400.44
Nurses' Home, land and building	204,205.27
Laboratory	11,735.91
Cash on hand and in Superintendent's hands	50,225.52
	<hr/>
	\$1,200,473.92

LIABILITIES

Capital, including various funds and legacies	\$1,200,473.92
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Report of the Superintendent

TO THE BOARD OF MANAGERS:

Gentlemen: Owing to the continued absence of our Superintendent, Dr. Frederic A. Washburn, with the United States Army abroad, I have the honor of submitting a second report for him.

During the past year the necessities of the situation have forced the Infirmary to direct its work in a manner which would have been unheard of in pre-war days. It has been impossible to maintain our former standard, owing to our doctors continuing to enter the government service, the scarcity of efficient help, and the difficulty of obtaining supplies. Officers, nurses, and employees have endeavored to do their best, and it is only through their hearty co-operation that the Infirmary has been enabled to take care of the numerous appeals made upon it.

At the time of the Halifax disaster we were called upon to send doctors and nurses to their aid — two doctors with four nurses were dispatched within a few hours with a supply of what we could gather together from the hospital of instruments, bandages, dressings, and drugs. Their need was great and we are pleased that we could give the succor for which they so sincerely expressed their gratitude.

During the recent influenza epidemic we isolated our cases on the short corridor of the third floor, excluded all visitors from the hospital, and admitted emergency cases only to the wards and out-patient department. We are happy to report that no deaths resulted.

An industrial workshop has been instituted to render less tedious the weary hours our patients have to spend in the hospital, Mrs. Robert Shaw Russell and Mr. John Lawrence very kindly giving the money for this purpose.

The Ladies' Visiting Committee again generously contributed the salary for a social worker in the wards; but in August this worker left the Infirmary for service in France, and the work is being discontinued for the time being.

REPORT OF THE SUPERINTENDENT

The follow-up work in the clinic has had to be discontinued also.

I wish to take this opportunity of thanking you for your hearty co-operation and help.

Yours very respectfully,

EUGENE WALKER,

Assistant Superintendent.

Report on the Work of the Gardner Building

During the past year 262 patients were treated in the Gardner Building. Of these there were 105 cases of gonorrheal ophthalmia neonatorum and 79 cases of non-gonorrheal ophthalmia neonatorum. At the time of entrance the cornea was involved in 19 cases of gonorrheal ophthalmia neonatorum, 12 of these being clear on discharge. At the time of entrance the cornea was involved in 6 cases of non-gonorrheal ophthalmia neonatorum, 2 of these being clear on discharge. The cornea was involved in 1 case of gonorrheal ophthalmia neonatorum after admission.

There were 28 cases of gonorrheal suppurative conjunctivitis and 55 cases of non-gonorrheal suppurative conjunctivitis. At the time of entrance the cornea was involved in 7 cases of gonorrheal suppurative conjunctivitis, 3 of these being clear on discharge. At the time of entrance the cornea was involved in 12 cases of non-gonorrheal suppurative conjunctivitis, 3 of these being clear on discharge. The cornea was involved in 1 case of gonorrheal suppurative conjunctivitis after admission.

There were also 53 cases of trachoma treated.

Forty-three patients were transferred to Gardner Building for erysipelas, diphtheria, scarlet fever, tonsillitis, pertussis, influenza, and other infectious diseases which manifested themselves in the general wards of the hospital.

The average number of patients treated daily in this building was 12+.

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Statistics

House Patients

Number of patients treated in ophthalmic wards	1,811	
Number of patients treated in aural wards	2,812	
* * * * *	—————	4,623
Average number of patients treated daily in the wards . .	125 —	
Average number of days patients remained in the hospital	11 —	
* * * * *		
Number of days' board furnished free	25,009	
Number of days' board for which something was paid . .	23,703	
* * * * *	—————	48,712
Cost per house-patient per week	\$30.02	
Cost of subsistence per inmate per day . . . . .	.34 +	
* * * * *		
Number admitted free	1,107	
Number admitted at less than \$10.50 per week	834	
Number admitted at \$10.50 per week	955	
Number admitted at \$15.00 per week	855	
Number admitted at \$17.50 per week	451	
Number admitted at \$21.00 per week	23	
Number admitted at \$28.00 per week	50	
Number admitted at \$35.00 per week	338	
Number admitted at \$56.00 per week	10	
	—————	4,623

Condition on Discharge

Well	916	Transferred to other hospitals	
Relieved	3,447	for different diseases	21
Not relieved	93	Dead	39
Left against advice	22	Remaining in hospital Sep-	
Not treated	17	tember 30, 1918	68
		—————	4,623

STATISTICS

Out-Patients

New patients:

Ophthalmic	16,371	
Aural	8,577	
	<hr/>	24,948

Old patients:

Ophthalmic	27,323	
Aural	20,697	
	<hr/>	48,020

Total visits		<hr/> 72,968
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MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Comparative Financial Statements

For the Fiscal Years 1917 and 1918

OPERATING EXPENSES		1918	1917	HOSPITAL RECEIPTS		1918	1917
SALARIES AND WAGES							
Officers and Clerks		\$7,266.00	\$7,954.87	Board of Patients		\$26,183.73	\$25,722.88
Telephone Operators		1,411.06	1,299.84	X-Rays		1,615.35	1,436.73
Out-Patient Department Clerks		4,417.58	4,036.87	Wassermann Tests		81.00	255.00
Social Service Workers		6,816.22	6,258.46	Special Nurses		427.00	175.00
Druggists		2,075.28	1,828.61	Optical		26,124.07	26,904.77
Opticians		2,780.00	2,905.56	Apothecary		12,001.56	10,447.34
Refractionists		1,256.40	1,240.56	Admission Fees, Out-Patient De-			
Supt. of Nurses and Assistants		2,721.00	2,640.00	partment		11,724.80	9,953.40
Head Nurses and Assistants		10,698.07	8,713.24	Throat Patients' Board		2,498.00	2,503.40
Post Graduate Nurses		360.00	1,224.00	Records		323.25	307.50
Pupil Nurses		602.75	633.84	Certificates		140.75	143.72
Special Nurses		4,125.78	2,355.63	Telephone		234.93	181.27
Attendant Nurses		4,546.32	5,386.99	Interest		156.70	135.35
Orderlies		4,660.05	4,289.00	Stamps		125.14	78.89
Ward Maids		1,966.03	1,606.92	Grease, Bones, Boxes, Barrels, and			
X-Ray Department		1,746.50	1,471.23	Junk		77.11	117.02
Pathological Laboratory		1,593.26	1,578.90	Miscellaneous		1,024.94	852.54
Store		549.05	60.00	Board, Private Patients		18,254.16	12,966.00
Housekeeping and Kitchen				Operating Room Fees, Private			
Wages		11,278.13	12,806.45	Patients		7,298.50	5,528.00
Laundry		4,192.02	3,867.62	Wassermann Tests, Private			
Maintenance, Property and				Patients		24.00	33.00
Plant		6,547.61	6,403.21	X-Rays, Private Patients		475.50	440.00
Industrial Worker		432.00		Miscellaneous, Private Patients		62.25	44.20
				Special Nurses, Private Patients		4,281.57	2,212.00
TOTAL SALARIES AND WAGES		\$82,041.11	\$78,561.80	TOTAL HOSPITAL RECEIPTS		\$113,134.31	\$100,438.01

OPERATING EXPENSES

SUPPLIES

General Administration Expenses	
Apparatus and Instruments	
Medical and Surgical Supplies	
Wassermann Tests	
X-Rays	
Optical Supplies	
Housekeeping and Kitchen Supplies	
Laundry Supplies	
Meat, Poultry, and Fish	
Fruit and Vegetables	
Bread and Flour	
Milk and Cream	
Groceries	
Butter and Eggs	
Gas	
Electric Lighting, Nurses' Home	
Heat, Light, and Power, Hos-	
pital Buildings	
Ice	
Fuel, Kitchen	
Fuel, Nurses' Home	
Water, Hospital Buildings	
Water, Nurses' Home	
Maintenance, Property and Plant	
Refunds on Patients' Board	
Miscellaneous	

TOTAL SUPPLIES \$113,599.19 \$102,049.43

\$5,245.77	\$5,336.80
1,554.83	1,952.91
17,639.91	12,963.60
96.00	162.00
2,315.22	587.16
10,504.08	8,382.02
10,154.85	10,943.41
1,162.52	738.96
9,532.80	10,030.12
4,049.77	3,657.68
3,659.79	2,249.81
7,685.92	6,070.28
6,895.80	5,480.53
5,370.94	4,586.64
308.12	356.40
507.55	557.90
15,015.61	13,344.19
1,728.81	1,256.16
451.71	547.40
1,526.02	1,342.26
1,383.60	1,327.20
202.50	270.00
4,630.22	8,385.87
1,575.04	1,174.10
401.81	346.03

SUMMARY

OPERATING EXPENSES

Salaries and Wages	\$82,041.11	\$78,561.80
Supplies	113,599.19	102,049.43
TOTAL EXPENSES	\$195,640.30	\$180,611.23

Total Hospital Receipts	113,134.31	100,438.01
Necessary to balance account	82,505.99	80,173.22

TOTAL \$195,640.30 \$180,611.23

Hospital Receipts	113,134.31	100,438.01
From Treasurer	81,900.00	82,600.00
Donations	576.00	149.30
Donations, Social Service	457.50	913.00

TOTAL RECEIPTS \$196,067.81 \$184,100.31

Oct. 1, 1918, Cash on hand \$536.22	
Oct. 1, 1917, Cash on hand 108.71	

427.51

Oct. 1, 1917, Cash on hand \$108.71	
Oct. 1, 1916, Debit bal. 3,380.37	

3,489.08

TOTAL \$195,640.30 \$180,611.23

Post-Graduate Training School

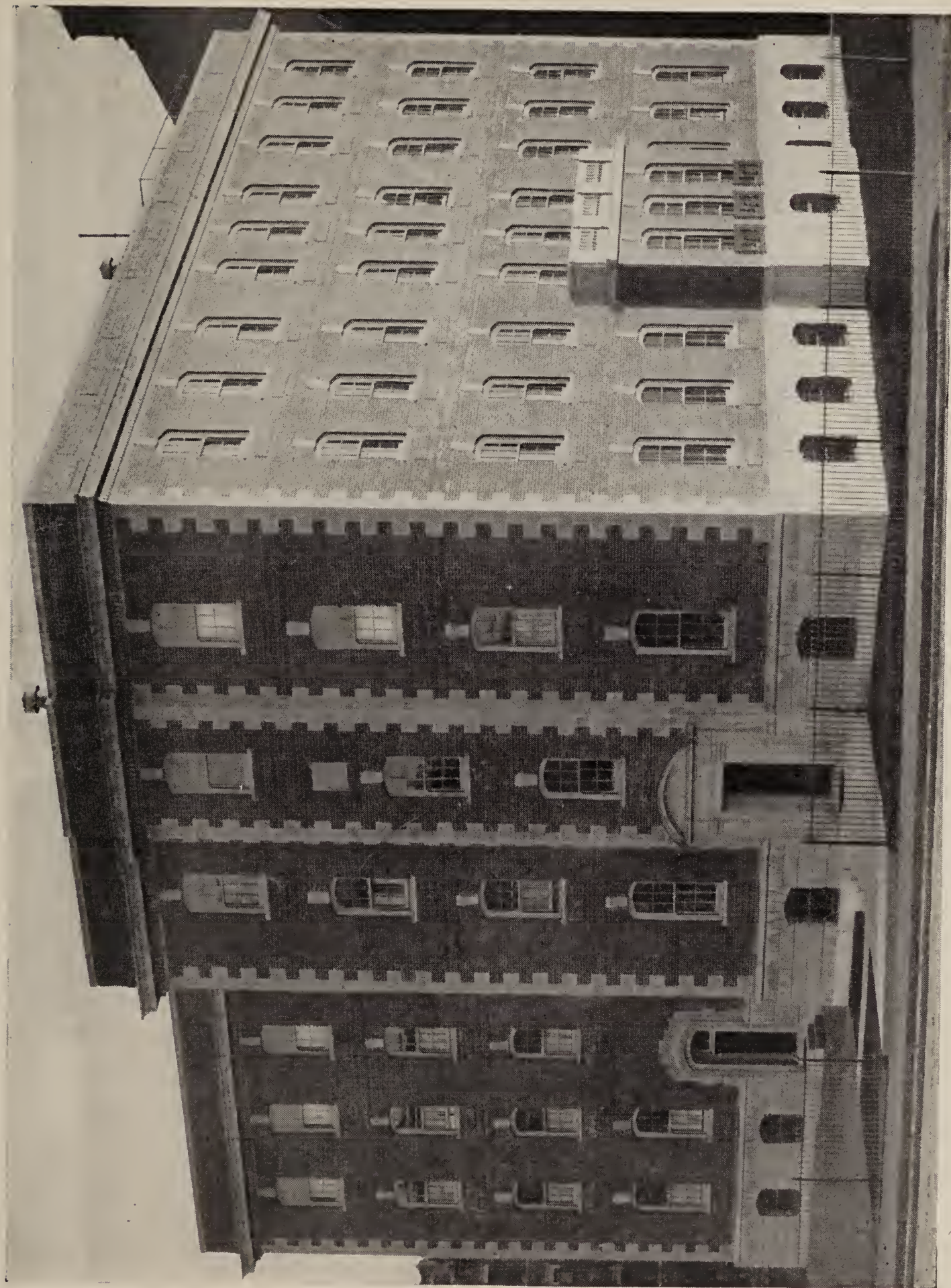
From October 1, 1917, to September 30, 1918, 51 students have entered for the training; of these 48 have graduated, 2 failed to graduate, and 1 was called to government service shortly after entering the school. We received 75 applications; and 98 inquiries were made — many of these latter desired to make provisional arrangement, stipulating that they be released if called into service by the government; others, already entered for war service, wished temporary instruction only.

Our affiliation with the Training School of the Massachusetts General Hospital still continues without interruption and with mutual benefit; aside from this an agreement has been made also with the Melrose Hospital, whereby twelve students will enter our school annually. Correspondence with four other schools regarding a similar association has taken place and it is expected that two of these schools will send us students during the coming year.

The war, of a necessity, has created many difficulties for us, the greatest of these being the continuous changing of nurses. Our entire executive staff of nurses, with the exception of three, either entered the service or were taken for reasons due to the war. Those filling the positions made vacant were scarcely familiar with their new work, when they also were called, thus making several changes in the filling of one position. This constant substituting had its most serious aspect in leaving few teachers of experience; and added to this, many of the men on the medical staff who had been instructors to the nurses also left to enter the service. However, by rearrangement of the work, by conservation of time, and by extra work, the remaining force have made it possible to give the entire number of classes, lectures, and bedside instruction. More than counterbalancing these difficulties, which were forgotten as soon as overcome, was the spirit of mutual helpfulness, patience, and good will shown by those left to carry on the work under unusual pressure and strain.

My grateful appreciation is extended to all who have been associated with me, and a very special expression of thanks is due from the nurses and training school office to the medical staff and house officers for their time spent in teaching, their care and interest during illnesses, and for their many other kindnesses and courtesies.

MARY COONAHAN, R. N.,
Superintendent of Nurses.



NURSES' HOME
OPENED AUGUST 5, 1909

Report of Social Service Department

THE program for the development of social service for the Infirmary patients has been greatly modified and delayed because of conditions arising out of the war. Many of the staff physicians who have joined the Army medical service were staunch supporters of the department. Three of the staff of medical social workers have been lost this year — two to service overseas and one to another field of public health nursing. And now, because of lack of funds, we must curtail our work still further. These conditions will mean setting aside many of the plans for the work that we have been urging and hoping for during the past two or three years; but we trust that when the victory is won we shall be able to push forward the work of the department.

Public Health Nurses

The lectures on diseases of the eye and ear given last fall and winter to Public Health Nurses were well attended and the Infirmary patients have reaped the reward of all the time and thought that the doctors and nurses put into making them practical and interesting. During the past year 668 patients were referred to public health agencies for hygiene supervision and instruction. The public health nurses all testify that the lectures have made their part of the service to the patients much more satisfactory than heretofore and the clinical results have borne evidence to this fact.

Gardner Ward

There were 119 babies admitted to the Gardner Ward who were carefully followed by the medical-social worker. 82 of the babies were partially or wholly breast fed. 68 of the mothers came to nurse their babies. 114 of the 119 babies were placed under the supervision of baby welfare agencies after their discharge from the hospital and from our care. This plan of after-care is in keeping with the children's year program. It is also significant to the campaign against venereal diseases that 74 of the mothers, 22 of the fathers, and 3 sisters were steered to the Genito-Urinary Clinic at the Massachusetts General Hospital for examination and treatment.

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Aural Clinic

The types of service rendered to the patients in the Aural Clinic have been mainly:

1. *Medical Follow-up.*

This involves personal interest in each patient; instruction as to necessity of treatment; and keeping close track of the patient's later visits. Out of the 437 patients referred for supervision during the year, 343 were discharged well. 50 of these had been chronic cases. The importance of persistent follow-up of the acute cases to prevent the development of chronic ear disease cannot be too highly emphasized.

2. *Educational work.*

A. For mothers. This covered instruction in the clinic and in the home. During the year 387 patients were referred to the Public Health Nurses for instruction in their homes.

B. For deaf children. The great need of these children, as we emphasized last year, is an opportunity for an education. Out of a total of 49 deaf children we have been able to place only 11 in educational institutions; 10 others have had their applications filed, but it will be a long time before they can be admitted; 28 more are awaiting an opportunity for education. There is very great need for more attention to the plight of these handicapped children. It is a matter of prime importance that there should be provided in the state adequate educational facilities for the deaf, as there are for the blind.

Wards

The department has been unfortunate this year in losing the ward social worker, who has gone into service in France. Since she left the department, in July, her work has been carried on so far as possible by the Out-Patient social workers. Under these circumstances it has been impossible, of course, to give the personal attention that was needed to the ward social service. Also, the number of volunteers who formerly visited the wards for reading and friendly service has greatly decreased. All this service is very important for keeping the patients in the hospital contented, and for meeting the needs of those who are facing a

REPORT OF SOCIAL SERVICE

future of defective eyesight or blindness. It is earnestly hoped that it may be possible to continue this very significant phase of the department work.

Eye Clinic

There were 258 patients referred from the Eye Clinic for various types of social service; 245 patients were carried over from the previous years.

We have undertaken this year a new type of service, that of personally steering to the Massachusetts General Hospital clinics those patients who need examination and treatment in the general hospital. 439 such patients have passed through our hands. 209 children have been sent to the Children's Medical Clinic alone for general examination and treatment. Most of these children are suffering from eye and ear conditions due to undermined health. It is hoped that special provision may be made in the Children's Medical Clinic for supervision of these children. If this is made possible we feel sure that the results will be manifest in the improvement of many eye and ear conditions.

IDA M. CANNON,
Chief of Social Service.

Report of the X-Ray Department

The following cases have been examined:

	<i>Positive</i>	<i>Negative</i>
Accessory sinuses:		
Sinusitis		127
Neoplasm	5	1
Frontal sinus:		
Sinusitis	55	19
Undeveloped	35	
Ethmoids:		
Sinusitis	56	9
Fronto-ethmoiditis	31	
Antrum Highmore:		
Sinusitis	60	3
Sinusitis and Ethmoiditis	52	
Undeveloped	3	
Undeveloped Frontal, Ethmoids and Antrum (unilateral)	1	
Pansinusitis	65	
Sphenoidal sinus:		
Sinusitis	2	3
Neoplasm	1	
Teeth:		
Root abscess	42	28
Molar, impacted	4	2
unerupted	2	
abscessed root extending into antrum	3	
Temporal Bone:		
Mastoid:		
Mastoiditis, acute		30
acute, first degree	88	
acute, second degree	98	
acute, third degree	74	
chronic sclerosing	102	
chronic sclerosing with acute exacerba- tion	13	
chronic sclerosing with cholesteotome	37	
recurrent	17	4
Otitis externa diffusa	4	
Exostosis		1
Gumma	1	
Osteoma	1	
Osteomyelitis, squamous portion	1	

REPORT OF THE X-RAY DEPARTMENT

Fractures:	<i>Positive</i>	<i>Negative</i>
Parietal bone	1	
Occipital bone	1	
Base of skull	1	3
Cerebral Tumor	2	
Cerebral Abscess	2	
Cerebral Subdural Abscess	1	1
Foreign body:		
In eye	52	178
In eye multiple	4	
In sclera	4	
Double perforation (extraocular)	5	
Extraocular	8	
Two, one intraocular, the other extraocular	4	
Orbit:		
Tumor	4	
Cellulitis	2	
Abscess, from Accessory Sinuses	3	
Fracture	1	5
Lachrymal bone, caries	1	1
Malar bone, caries (specific)	1	
Nasal bone, caries (specific) involving orbit	1	
Unclassified	19	

X-RAY TREATMENTS

Epithelioma	40	
Lympho-sarcoma	4	
Sarcoma:		
Globe	2	
Orbit	3	
Vernal Catarrh	9	
Trachoma	3	
Glioma Retina	1	
Naevus	1	
Sebaceous Cyst	1	
	1,034	415
Total		1,449

WILLIAM LIEBMAN, M.D.,
Roentgenologist.

Report of the Pathological Laboratory

During the past year the routine work of the laboratory has been continued without interruption. A large amount of pathological material has been examined, preserved, and catalogued, much of which is worthy of further investigations. These will be carried out later as opportunity offers. Investigations dealing with glaucoma have been continued, and further observations on Parinaud's conjunctivitis have been made and submitted for publication. The leptothrix, which was demonstrated in this laboratory several years ago to be the cause of the latter disease, has been found in every case investigated since then, and an improved method for staining the organism has been devised. The study of congenital cataracts, referred to in the report of last year, has been continued and the results published. Experiments relating to pathological technique are in progress. Investigations of certain antiseptics have yielded results which promise to be of considerable practical value in the treatment of external infections of the eye. The investigations by Dr. Howard relating to the structure and development of the eye have been interrupted by his entering army service.

FREDERICK H. VERHOEFF, M.D.,

Pathologist.

Scientific Papers Published by the Surgical Staff during the Year 1917-1918

- "India Ink Infiltration: A Simple and Effective Substitute for Corneal Tattooing." By Frederick H. Verhoeff, M.D. *The Journal of the American Medical Association*, 1917.
- "Microscopic Findings in a Case of Coralliform Cataract, with Remarks on Congenital Cataracts in General." By Frederick H. Verhoeff, M.D. *American Ophthalmological Transactions*, 1918.
- "Observations on Parinaud's Conjunctivitis (*Leptothricosis Conjunctivæ*)." By Frederick H. Verhoeff, M.D. *American Journal of Ophthalmology*, 1918.
- "An Informal Report of Otolaryngology in the First Year of the War." By Harris P. Mosher, M.D. *Annals of Otology and Laryngology*, June, 1918.
- "A Summary of the Activities and Problems of the Section of Otolaryngology." By Harris P. Mosher, M.D. *Military Surgeon*.
- "The Relation of Laryngology, Rhinology, and Otology to General Medicine." By Francis P. Emerson, M.D. *Journal of the American Medical Association*, September, 1917.
- "Changing Methods and Advances in the Treatment of Progressive Deafness from Chronic Secretory Otitis Media." By Francis P. Emerson, M.D. *Boston Medical and Surgical Journal*, October, 1917.
- "An Operation for Bony Occlusion of the Posterior Nares." By Leon E. White, M.D. *Laryngoscope*, August, 1918.
- "A Satisfactory Operation for Muscle Shortening on Advancement." By Walter B. Lancaster, M.D. *American Journal of Ophthalmology*, March, 1918.

Report of Ophthalmic Department

House Operations

CONJUNCTIVA	
Conjunctival flap	15
Incision of conjunctiva	1
Plastic	2
Removal of tumors	2
Stripping	12
Transplantation of pterygium	12
Transplantation of symblepharon	7
Total	51

CORNEA	
Cauterization	1
Infiltration of cornea with India ink	2
Paracentesis	12
Pericorneal neurotomy	3
Plastic	1
Removal of foreign body	5
Removal of tumor	1
Saemisch	21
Scarification	1
Total	47

ENUCLEATIONS FOR	
Disorganized globe	62
Glaucoma	16
Injury	13
Irido-cylitis	10
Panophthalmitis	2
Staphyloma	1
Sympathetic ophthalmia	1
Tumor of globe	13
Enucleation with insertion of glass ball	13
Total	131

EVISGERATION	
Simple	9
Total	9

IRIS	
Cutting of sphincter	1
Eliot trephine	6
Iridectomy:	
for glaucoma	55
for prolapse	21
for tumor	1
optical	19
preliminary	10
Iridectomy with conjunctival flap	16
Iridotaxis	1
Iridotomy	9
Removal of foreign body	1
Synechotomy	6
Total	146

LACRIMAL APPARATUS	
Agnew's	1
Curetage of sac	1
Extirpation of tear sac	57
Irrigation of lacrimal sac	3
Ligation of lacrimal ducts	1
Total	63

LENS	
Capsulotomy	5
Cataract extraction:	
in capsule	27
in capsule with buttonhole iridectomy and scleral suture	1
in capsule with iridectomy	17
in capsule with iridectomy and scleral suture	20
in capsule with scleral suture	2
in capsule with two buttonholes and scleral suture	3
linear	27
linear with iridectomy	1
linear with scleral suture	1

REPORT OF THE OPHTHALMIC DEPARTMENT

simple	13	Tucking of:	
with iridectomy	230	external rectus	2
with iridectomy and con-		internal rectus	3
junctival flap and scleral			<hr/>
suture	13	Total	159
Discission	248		
Evulsion of capsule	1	ORBIT	
Removal of foreign body . . .	1	Exenteration of orbit	4
	<hr/>	Exploration of orbit	8
Total	610	Plastic	6
		Plastic with skin graft	2
LIDS		Removal of foreign body . . .	1
Canthotomy	2	Removal of tumor	1
Drainage of hematoma	1		<hr/>
Ectropion	4	Total	22
Entropion	6		
Epilation of cilia	1	SCLERA	
Extirpation of cyst	9	Puncturing of sclera	15
Incision of abscess	5	Puncturing of sclera (electro) .	42
Plastic	36	Removal of foreign body . . .	2
Ptosis:		Sclerotomy	2
Hess'	5		<hr/>
Pagenstecher's	1	Total	61
Removal of chalazion	4		
Removal of foreign body . . .	1	MISCELLANEOUS	
Removal of growth	4	Exenteration of ethmoids for	
Suturing	1	gumma of optic nerve . . .	1
Tarsectomy	2	Opening of sphenoid for ex-	
	<hr/>	ophthalmos	1
Total	82	Opening of sphenoid for retro-	
		bulbar neuritis	1
MUSCLES		Removal of foreign body from	
Advancement of:		anterior chamber	5
external rectus	42	Removal of foreign body from	
inferior rectus	1	globe	54
internal rectus	7	Removal of foreign body from	
Tenon's capsule	3	vitreous	6
Excision of:		Submucous resection for re-	
external rectus	2	trobulbar neuritis	1
internal rectus	1	Turbinectomy for retrobulbar	
Tenotomy of:		neuritis	1
external rectus	14		<hr/>
inferior oblique	1	Total	70
internal rectus	83	Total operations	1,451

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Out-Patient Operations

Agnew's Incision	4	Removal of foreign body of	
Enucleation	1	lacrimal duct	1
Evisceration	4	Removal of foreign body of	
External canthotomy	1	sclera	2
Incision of abscess	1	Removal of foreign body on	
Incision of abscess of brow .	1	lid	75
Incision of abscess of lacrimal		Removal of granulation tissue	2
duct	12	Removal of milium	2
Incision of abscess of lid . .	30	Removal of orbital bone . .	1
Incision of chalazion	165	Removal of specimen from lid	6
Incision of hordeolum	39	Removal of verruca	3
Incision of lacrimal sac . . .	7	Saemisch	5
Incision of orbital abscess . .	1	Snelling's suture	1
Insertion of style of nasal duct	1	Suturing of conjunctiva . . .	1
Naevus conjunctiva	1	Suturing of lid	1
Probing of lacrimal duct . . .	2	Suturing of wound, inner	
Removal of foreign body of		canthus	1
conjunctiva	134	Tenotomy of external rectus .	1
Removal of foreign body of		Transplantation of pterygium	30
cornea.	1,653		
Removal of foreign body of		Total	2,190
inner canthus	1		

Report of Aural Department

House Operations

AURICLE

Incision and drainage of furuncle	1
Plastic	6
Removal of exostosis of canal	1
Removal of tumor	1
Total	9

MEATUS

Incision of abscess of canal	22
Removal of foreign body	1
Total	23

TYMPANUM

Incision of membrana tympani	94
Ossiculectomy	25
Removal of polypus	47
Stapedectomy	3
Total	169

MASTOID REGION

Decompression	10
Exenteration of labyrinth	1
Exploration for brain abscess (temporo-sphenoidal)	3
Exploration of lateral sinus	1
Exploration of lateral sinus with ligation of jugular	7
Incision of Bezold's abscess	3
Incision of postaural abscess	36
Plastic	2
Plastic for closure of postaural fistula	4
Radical mastoid	49
Radical mastoid with primary skin graft	10
Secondary mastoid	16
Simple mastoid	298
Simple mastoid with epidural abscess	2
Simple mastoid with ligation of jugular	4
Skin graft	15
Total	461

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

NOSE, THROAT, AND PHARYNX

Cauterization of turbinate	1
Curettling of recurrent frontal	1
Exenteration of ethmoid	75
Incision of abscess of septum	1
Incision of hematoma of septum	5
Incision of papilloma of larynx	1
Incision of peritonsillar abscess	6
Incision of retropharyngeal abscess	2
Intranasal antrum	4
Intranasal frontal sinus	18
Killian operation	1
Lothrop's operation (frontal)	3
Opening of sphenoid	13
Plastic for external deformity of nose	8
Puncturing and irrigating of antrum	78
Radical antrum	28
Radical frontal	6
Removal of adenoids	155
Removal of adenoids and tonsils	1,323
Removal of growth from nasopharynx	1
Removal of growth from nose	4
Removal of polypus from nose	4
Removal of polypus from turbinate	1
Removal of spur of septum	1
Removal of tonsils	110
Removal of venous aneurism of nose	1
Submucous resection of septum	273
Turbinectomy	22
Turbinotomy	50
<hr/>	
Total	2,196

MISCELLANEOUS

Excision of branchial cyst	1
Extirpation of cervical gland	1
Extraction of teeth	11
Incision of abscess of knee	1
Incision of abscess of lid	1
Incision of abscess of scalp	1
Incision of abscess of thumb	1
Incision of cervical abscess	8
Incision of cervical gland	10
Incision of glandular abscess of face	1
Incision of preauricular gland	6

REPORT OF THE AURAL DEPARTMENT

Incision of postaural gland	1
Injection of salvarsan	7
Ligation of external carotid	2
Removal of cyst of leg	1
Transfusion	1
	<hr/>
Total	54
Total operations	2,912

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Out-Patient Operations

Cauterization of septum . . .	4	Paracentesis of membrana	
Cauterization of turbinate . . .	4	tympani	1,514
Cutting of nasal adhesion . . .	6	Puncturing of bleb on ear . .	1
Cutting of nasal synechia . . .	1	Reduction of compound frac-	
Dissection of cyst of auricle . .	8	ture of nasal bone	1
Elevating of nasal bone	1	Reinsertion of cartilage . . .	1
Incision of abscess of canal . . .	319	Removal of adenoids	5
Incision of abscess of face . . .	1	Removal of branchial cyst . .	1
Incision of abscess of lobule . .	2	Removal of cartilage of	
Incision of abscess of mastoid		septum	1
wound	1	Removal of foreign body from	
Incision of abscess of neck . . .	1	ear	50
Incision of abscess of nose . . .	1	Removal of foreign body from	
Incision of abscess of post		larynx	1
jugular node	1	Removal of foreign body from	
Incision of abscess of septum . .	2	nose	1
Incision of boil on scalp	1	Removal of foreign body from	
Incision of cyst of lobule	1	throat	1
Incision of fistula	1	Removal of granulations from	
Incision of furuncle on ear . . .	2	canal	3
Incision of furuncle on nose . . .	1	Removal of growth from sep-	
Incision of furuncle under ear . .	1	tum	1
Incision of gland of neck	1	Removal of pedicle from ear . .	1
Incision of hematoma of ear . . .	1	Removal of polyp from ear . .	36
Incision of hematoma of sep-		Removal of polyp from nose . .	40
tum	1	Removal of spur from sep-	
Incision of nipple on drum . . .	1	tum	1
Incision of peritonsillar abscess	11	Removal of verruca from	
Incision of postauricular ab-		canal	1
scess	2	Submucous resection of sep-	
Incision of postauricular cyst . .	1	tum	161
Incision of postauricular gland . .	1	Turbinectomy	25
Incision of preauricular gland . .	1		
Opening of antrum	81	Total	2,307
Opening of ethmoid	1		

Explanation of Medical and Surgical Statistics

It will be noted that our medical statistics this year appear in a much more contracted form than in previous years. No distinction has been made between the male and female patients, nor have we definitely stated whether the diagnosis was made in the Ophthalmic or Aural Departments. This table does not represent the number of patients treated but states the number of times a given disease has been treated in either service of the hospital. A detailed report is on file in our Record Room and may be consulted.

Table of Diseases

Compiled from Records

	HOUSE	OUT- PATIENT
SECTION I		
Specific Infectious Diseases. General Diseases	214	230
SECTION II		
Diseases Due to Animal Parasites		6
SECTION III		
Diseases of Metabolism	5	2
SECTION IV		
Conditions Peculiar to Infancy	188	130
SECTION V		
Diseases Due to Physical Agents	1	9
SECTION VI		
Poisonings, Intoxications	1	2
SECTION VII		
Carcinoma, Sarcoma, and Other Malignant Growths, and Benign Tumors	109	695
SECTION VIII		
Congenital Malformations	21	34
SECTION IX		
General Injuries and Diseases of the Skin and Subcutaneous Tissues	19	99
SECTION X		
Special Skin Diseases	4	297
SECTION XI		
Diseases of the Circulatory System	9	30
SECTION XII		
Diseases of the Lymphatic System	15	49
SECTION XIII		
Diseases of the Blood	2	2
SECTION XIV		
Diseases of the Ductless Glands		2

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

	HOUSE	OUT- PATIENT
SECTION XV		
Diseases of the Nervous System.....	28	90
SECTION XVI		
Diseases of Bones, Joints, Muscles, Tendons, and Fascia.....	3	17
SECTION XVII		
DISEASES AND INJURIES OF THE EYE AND EAR		
DISEASES OF THE EYE		
A. General.....	139	6,340
B. Lids.....	59	1,324
C. Lacrimal Apparatus.....	81	352
D. Conjunctiva.....	119	3,563
E. Cornea.....	456	3,359
F. Sclera.....	36	92
G. Lens.....	740	692
H. Uveal Tract.....	9	25
Iris.....	115	294
Ciliary Body.....	13	14
Choroid.....	15	78
I. Retina.....	21	96
J. Vitreous.....	7	111
K. Optic Nerve.....	27	124
L. Eyeball.....	199	268
M. Orbit.....	9	10
N. Disturbances of Motion.....	140	594
DISEASES OF THE EAR		
A. General.....	5	22
B. Auricle.....	26	127
C. External Auditory Canal.....	44	3,048
D. Eustachian Tube.....	1	9
E. Middle Ear and Mastoid.....	687	5,670
F. Internal Ear.....	17	28
SECTION XVIII		
Diseases of the Nose and Accessory Sinuses.....	681	1,590
SECTION XIX		
Diseases of the Mouth, Lips, Cheeks, Pharynx, Tonsils, Palate.....	1,622	2,322
SECTION XX		
Diseases of the Jaw, Teeth, and Gums.....	2	208
SECTION XXII		
Diseases of the Esophagus.....	1	

TABLE OF DISEASES

	HOUSE	OUT- PATIENT
SECTION XXIII		
Diseases of the Stomach.....	2	
SECTION XXIV		
Diseases of the Intestines.....	2	
SECTION XXIX		
Diseases of the Larynx.....	4	24
SECTION XXX		
Diseases of the Trachea and Bronchi.....	1	1
SECTION XXXI		
Diseases of the Lungs.....	1	
SECTION XXXIII		
Diseases of the Kidney and Ureter.....	1	2
SECTION XXXVIII		
Puerperal State.....	1	
SECTION XXXIX		
Ill-defined, or Unclassified Diseases.....	15	636
Final Totals.....	5,917	32,717

Form of a Bequest to the
Infirmary.

*I give and bequeath to the Massachusetts
Charitable Eye and Ear Infirmary of Boston,
the sum of dollars, to be applied to the
uses of said Infirmary.*

Ninety-fourth Annual Report
of the
Massachusetts Charitable
Eye and Ear Infirmary

For the Year
1919

THE MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

233 CHARLES STREET, COR. FRUIT STREET, BOSTON

OUT-PATIENT DEPARTMENT

The Out-Patient Department is open daily, excepting Sundays and legal holidays, from 8.30 to 10.30 A.M., for examination and treatment of all poor persons afflicted with disease of the eye or ear. Persons needing treatment in the hospital wards will be advised accordingly. Medicines and glasses are furnished at the Infirmary, but neither prescription nor advice will be sent by mail, express, or messenger.

HOSPITAL

Persons recommended for admission to the hospital wards should apply at the Superintendent's office before 1 P.M. *on weekdays only, excepting legal holidays.*

Accident and emergency cases admitted at any time.

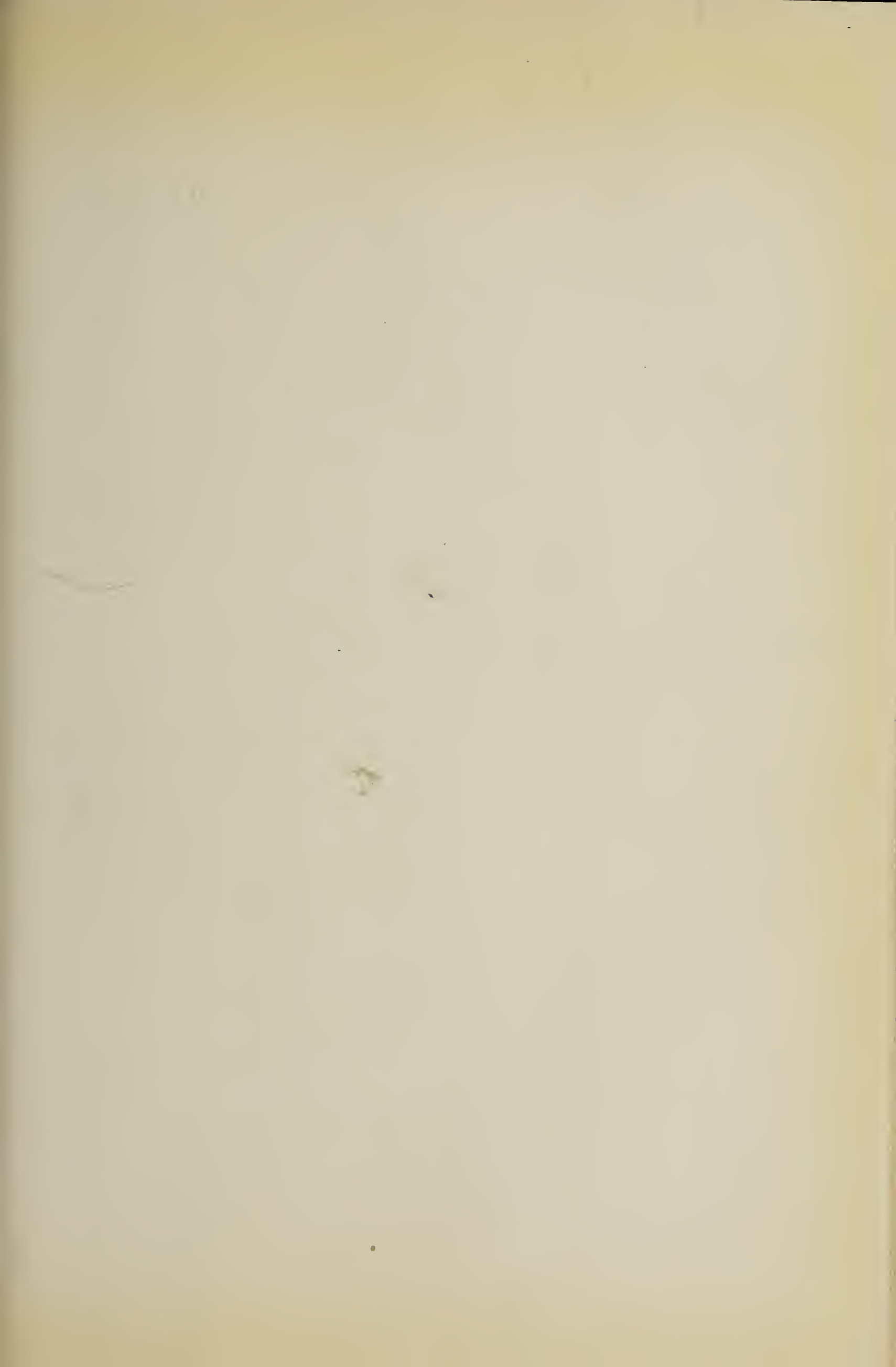
All communications about the Infirmary or any inmate must be addressed to the Superintendent, and should contain the full name of the patient as well as the name and address of the writer.

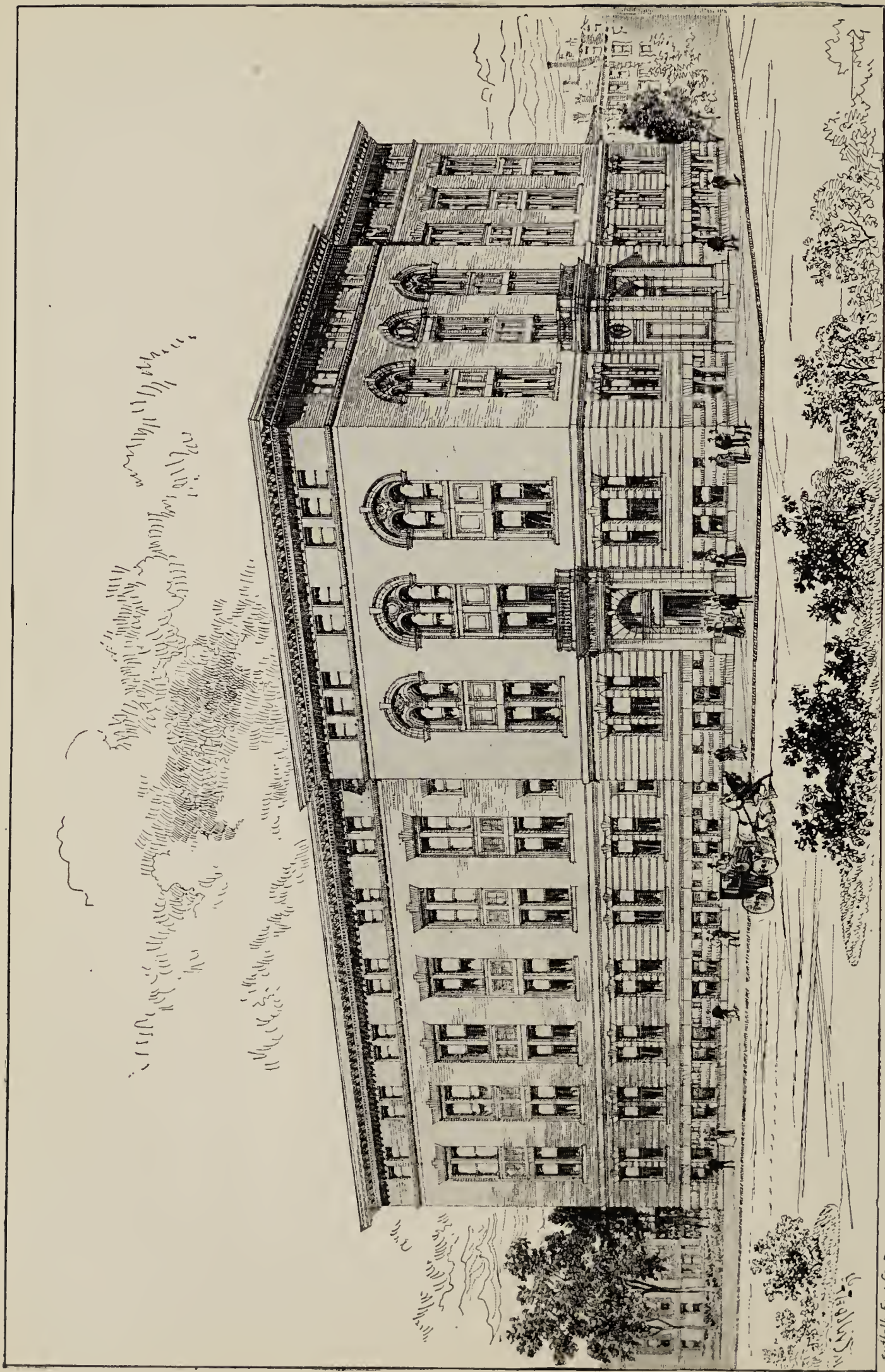
Persons admitted to the wards as in-patients will be charged for board at the rate of seventeen dollars and fifty cents per week, payable in advance, unless some special arrangement is made by the Superintendent. No reduction in rate of board made to those residing outside the Commonwealth of Massachusetts.

Visitors will be admitted to see patients from 2 to 3 o'clock in the afternoon, and but one visitor a day is allowed to each patient over seven years of age. Children under seven years of age may be visited on Sundays and legal holidays from 2 to 3 P.M., when two visitors are permitted. Visitors may be excluded at any time.

On Sundays and holidays two visitors are allowed each patient.

The Infirmary reserves the right to investigate every case.





MAIN BUILDING, MARCH, 1899

Suffolk Eng. Co Boston

Ninety-fourth Annual Report
of the
Massachusetts Charitable
Eye and Ear Infirmary

For the Year
1919

Boston
Griffith-Stillings Press
1920



Officers

Board of Managers, 1919–1920

GEORGE P. GARDNER

Feb. 1, 1887

HENRY PARKMAN

May 2, 1893

WILLIAM D. SOHIER¹

Jan. 7, 1896

ROBERT HOMANS

May 1, 1900

WILLIAM S. SPAULDING

Feb. 4, 1902

WILLIAM C. ENDICOTT

Feb. 3, 1903

RUSSELL G. FESSENDEN

Feb. 3, 1903

HERBERT M. SEARS

Dec. 20, 1905

CHARLES P. CURTIS

Feb. 5, 1907

ROBERT H. STEVENSON, Jr.

Feb. 5, 1907

JOHN LAWRENCE¹

Feb. 5, 1907

JAMES DEAN

June 12, 1914

JAMES C. HOWE

June 12, 1914

EDWARD H. BRADFORD, M.D.

Oct. 31, 1918

President

EDWARD H. BRADFORD, M.D.

Secretary

JAMES C. HOWE, 17 Court Street, Boston

Treasurer

HENRY PARKMAN, 53 State Street, Boston

Executive Committee

GEORGE P. GARDNER

HERBERT M. SEARS

JOHN LAWRENCE

Finance Committee

RUSSELL G. FESSENDEN

WILLIAM S. SPAULDING

JAMES DEAN

¹Appointed by the Commonwealth.

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Visiting Committee

January	MR. HOWE	July	MR. PARKMAN
	MR. SEARS		MR. STEVENSON
February . . .	MR. SEARS	August	MR. STEVENSON
	DR. BRADFORD		MR. HOMANS
March	DR. BRADFORD	September . . .	MR. HOMANS
	MR. SPAULDING		MR. CURTIS
April	MR. SPAULDING	October	MR. CURTIS
	MR. FESSENDEN		MR. ENDICOTT
May	MR. FESSENDEN	November . . .	MR. ENDICOTT
	MR. DEAN		MR. GARDNER
June	MR. DEAN	December . . .	MR. GARDNER
	MR. PARKMAN		MR. HOWE

Ladies' Visiting Committee

MRS. ROBERT SHAW RUSSELL, <i>Chairman</i>	MRS. HAROLD PEABODY
MRS. REGINALD FOSTER	MRS. GEORGE CABOT LODGE
MISS THERESA L. MERRIAM	MISS CLARA B. WINTHROP
MRS. THOMAS PELHAM CURTIS	MRS. REGIS POST
MISS ALICE FAY	MRS. PIERCE MCGANN
MRS. JOHN L. BREMER	MISS BRED A GROSS

Executive Officers

Superintendent

FREDERIC A. WASHBURN, M.D.

Assistant Superintendent

HAROLD M. FROST, M.D.

Surgical Board

Consulting Ophthalmic Surgeons

HENRY W. BRADFORD, M.D.	EDWIN E. JACK, M.D.
H. BECKLES CHANDLER, M.D.	FREDERICK E. CHENEY, M.D.
MYLES STANDISH, M.D.	HENRY H. HASKELL, M.D.

Consulting Aural Surgeons

J. ORNE GREEN, M.D.	EDWARD M. PLUMMER, M.D.
	FREDERICK L. JACK, M.D.

OFFICERS

Ophthalmic Chiefs of Service

ALEXANDER QUACKENBOSS, M.D.

Aural Chiefs of Service

EUGENE A. CROCKETT, M.D.

Ophthalmic Surgeons

FRED M. SPALDING, M.D.

PETER H. THOMPSON, M.D.

FREDERICK H. VERHOEFF, M.D.

GEORGE S. DERBY, M.D.

Aural Surgeons

PHILIP HAMMOND, M.D.

HARRIS P. MOSHER, M.D.

D. HAROLD WALKER, M.D.

WILLIAM F. KNOWLES, M.D.

Assistant Ophthalmic Surgeons

CHARLES D. JONES, M.D.

EDWARD K. ELLIS, M.D.

SAMUEL J. McDONALD, M.D.

WILLIAM N. SOUTER, M.D.

W. HOLBROOK LOWELL, M.D.

WALTER B. LANCASTER, M.D.

GEORGE H. RYDER, M.D.

RALPH A. HATCH, M.D.

HENRY HAWKINS, M.D.

Assistant Aural Surgeons

GEORGE L. TOBEY, JR., M.D.

FREDERICK L. BOGAN, M.D.

FRANCIS P. EMERSON, M.D.

DANA W. DRURY, M.D.

LEON E. WHITE, M.D.

JOHN H. BLODGETT, M.D.

CALVIN B. FAUNCE, JR., M.D.

D. CAMPBELL SMYTH, M.D.

Ophthalmic Clinical Assistants

THOMAS F. CAPELES, M.D.

WILLIAM LIEBMAN, M.D.

HENRY G. CARROLL, M.D.

ROLAND C. MACKENZIE, M.D.

HAROLD B. CHANDLER, M.D.

GEORGE H. POIRIER, M.D.

JOSEPH L. DOWLING, M.D.

PERCY C. PROCTOR, M.D.

JOHN J. GILBERT, M.D.

HUGO B. C. REIMER, M.D.

EDWIN B. GOODALL, M.D.

ROSS E. SAVAGE, M.D.

HARVEY J. HOWARD, M.D.

FREDERICK N. STEPHENS, M.D.

JOHN G. JENNINGS, M.D.

HENRY B. STEVENS, M.D.

CLARENCE F. WORTHEN, M.D.

Aural Clinical Assistants

NEWTON S. BACON, M.D.

PHILIP E. MELTZER, M.D.

CLARENCE H. BIRDSALL, M.D.

GEORGE H. POIRIER, M.D.

HARRY P. CAHILL, M.D.

CHARLES T. PORTER, M.D.

WILLIAM J. HARKINS, M.D.

FRED A. SIMMONS, M.D.

OLIVER A. LOTHROP, M.D.

HAROLD G. TOBEY, M.D.

WILLIAM I. WIGGIN, M.D.

Pathologist

FREDERICK H. VERHOEFF, M.D.

Consulting Neurologists

WALTER E. PAUL, M.D.

JAMES B. AYER, M.D.

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Consulting Surgeons

SAMUEL J. MIXTER, M.D.	WYMAN WHITTEMORE, M.D.
LINCOLN DAVIS, M.D.	RICHARD H. MILLER, M.D.
EDWARD P. RICHARDSON, M.D.	WILLIAM JASON MIXTER, M.D.

Consulting Physicians

THEODORE J. EASTMAN, M.D.	HARRY LINENTHAL, M.D.
GERALD BLAKE, M.D.	LESLEY H. SPOONER, M.D.
LOUIS G. MEAD, M.D.	WILLIAM B. ROBBINS, M.D.

Physician to Children

FRITZ B. TALBOT, M.D.

Assistant Physician to Children

RICHARD M. SMITH, M.D.

Assistants in the Care of Children

J. HERBERT YOUNG, M.D.	RICHARD S. EUSTIS, M.D.
LOUIS W. GILBERT, M.D.	ARTHUR A. HOWARD, M.D.
WILLIAM R. P. EMERSON, M.D.	

Consulting Anæsthetist

ARTHUR M. DODGE, M.D.

Roentgenologist

WILLIAM LIEBMAN, M.D.

Refractionists

EDWIN B. GOODALL, M.D.	CLARENCE F. WORTHEN, M.D.
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House Staff

Ophthalmic House Surgeons

RALPH H. RUGGLES, M.D.	HERMAN P. DAVIDSON, M.D.
WALLACE R. BRIGGS, M.D.	LOUIS H. GAUS, M.D.

Aural House Surgeons

JOHN H. C. GALLAGHER, M.D.	HARRY P. FINCK, M.D.
J. ROBERT BURKE, M.D.	RICHARD A. KEARNY, M.D.

Superintendent of Nurses

MARY COONAHAN, R.N.

Chief Social Worker

JESSIE M. C. HUME, R.N.

Report of the Board of Managers

In the past year the usual amount of work done by the Massachusetts Charitable Eye and Ear Infirmary, incorporated by Special Act of the Legislature on February 23, 1827, has been accomplished, but the work has been accomplished under difficult and trying circumstances.

Dr. Eugene Walker, Assistant Superintendent and Acting Superintendent of the Infirmary during the absence of Dr. Frederic A. Washburn in the service of the United States, filled these offices in the most efficient manner, notwithstanding the fact that he was seriously handicapped by various conditions, such as arise when normal conditions are of necessity changed owing to a country being at war. Dr. Walker entered the service of the Infirmary in March, 1916, and resigned in June, 1919,—much to the regret of the Managers and Officers of the Institution.

The Anti-Aid Amendment law has deprived us of State aid which has been received in amounts increasing from \$2,000 in 1850 to \$45,000 in 1918. In the past even with State aid our deficits have varied from \$1,000 to \$23,000, but in these days we did more charitable work. During this last year, the first year no State appropriation has been received, our deficit amounts to \$10,566.04. This deficit would have been larger had not the Committee of the Permanent Charity Fund voted to give us \$3,000 for the general purposes of the Infirmary, and \$1,400 for the Social Service Department. As our fiscal year closes September 30th, we received only three-quarters of this sum during the past year. This may not seem large, but it is very serious and very large when one considers that the charitable work of the Infirmary has been curtailed. In our report last year we stated that we looked forward to a deficit this year perhaps as large as \$50,000. This fear has not been realized, but, as stated above, such a deficit has been prevented only by reducing charitable work. It seems very sad that after all these years we are prevented from lack of funds from giving charitable aid to those who need it. In future we must further increase the cost of food and supplies — or else portions of the Infirmary must be closed. We cannot urge too

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

strongly that support be given the Infirmary in such a manner that its charitable work can go on.

The number of patients admitted to the Infirmary in 1918 was 4,623, of whom 1,107 were admitted free. In 1919 the number of patients admitted to the Infirmary was 4,603, of whom only 499 were admitted free. This shows a reduction of nearly one half of the patients treated free.

In regard to the number of days' board which was given, the totals were in 1918, 48,712, of which 25,009 were dispensed free; in 1919, 42,383, of which 15,748 were dispensed free, which figures show a very great reduction in the amount of days' board dispensed free.

In 1918, 451 patients paid the full rate of board, whereas in 1919, 1,153 patients were required to pay the full rate.

Fortunately the scarcity of funds has not resulted in any reduction of our charitable work in the Out-Patient Department, where we may still feel that we are doing pressing charitable work.

The Infirmary is the largest hospital in the world for the treatment of diseases of the eye and ear, and is the second oldest hospital in New England, and has a capacity of 204 beds (Main Hospital, 142 beds, Gardner Building, 37 beds, and Private Ward, 25 beds). An Out-Patient Department; a special building, called the Gardner Building, with 37 beds for the treatment of infectious ophthalmia and of contagious diseases developed in the wards of the Infirmary; a Pathological Laboratory; and a Nurses' Home with accommodations for 100 form the Infirmary.

Our Superintendent, Dr. Frederic A. Washburn, and the doctors in the Ophthalmic and Aural Services, with the Consultants, have returned from war service and have resumed their work at the Infirmary after having accomplished splendid work for the Government. Their names are as follows:

DR. FREDERIC A. WASHBURN, *Superintendent*

Ophthalmic Service

DR. ALEXANDER QUACKENBOSS
DR. FREDERICK H. VERHOEFF
DR. GEORGE S. DERBY
DR. WALTER B. LANCASTER
DR. RALPH A. HATCH
DR. THOMAS F. CAPELES

DR. HAROLD B. CHANDLER
DR. JOHN J. GILBERT
DR. EDWIN B. GOODALL
DR. JOHN G. JENNINGS
DR. GEORGE H. POIRIER
DR. HENRY B. STEVENS

REPORT OF THE BOARD OF MANAGERS

Aural Service

DR. EUGENE A. CROCKETT	DR. CLARENCE H. BIRDSALL
DR. HARRIS B. MOSHER	DR. HARRY P. CAHILL
DR. WILLIAM J. KNOWLES	DR. WILLIAM J. HARKINS
DR. GEORGE L. TOBEY, JR.	DR. GEORGE H. POIRIER
DR. FRANCIS P. EMERSON	DR. CHARLES T. PORTER
DR. FREDERICK L. BOGAN	DR. HAROLD G. TOBEY
DR. DANA W. DRURY	DR. WILLIAM I. WIGGIN

Consultants

DR. JAMES B. AYER	DR. J. HERBERT YOUNG
DR. SAMUEL J. MIXTER	DR. RICHARD S. EUSTIS
DR. LINCOLN DAVIS	DR. JOHN W. HAMMOND, JR.
DR. LESLEY H. SPOONER	DR. ARTHUR M. DODGE

The Board of Managers desires to acknowledge with thanks the following gifts received during the past year:

DONATIONS

Mr. William D. Adler	\$10.00
Miss Mabel A. Johnson	5.00
Mr. and Mrs. Allston Burr	10.00
Edwin A. Rogers Company	10.00
Mr. William J. Mann	30.00
Mr. M. D. Horgan	5.00
Mr. Charles P. Curtis	76.86
Mr. Eugene Hartley	2.60
Mr. George E. Howe	10.00
Mr. F. A. Merrill	25.00
Mr. William J. Boardman	20.00
Mrs. William Caleb Loring	10.00
Mr. Charles W. Hubbard	25.00
	<hr/>
	\$238.86

For Christmas

Mrs. Robert Shaw Russell	\$10.00
Mrs. George Maroney	5.00
Miss Ann Campbell	10.00
Board of Managers	108.59
	<hr/>
	\$133.59

For Occupational Worker

Mr. John Lawrence	\$250.00
Mrs. Robert Shaw Russell	350.00
	<hr/>
	\$600.00

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

For Social Service

Mrs. Richard Cary Curtis	\$30.00
Miss Theresa L. Merriam	121.00
Mrs. Reginald Foster	20.00
Mr. Edward J. Johnson	7.50
Mrs. Edith R. Hill	25.00
Mrs. Harold Peabody	12.00
Mrs. George Cabot Lodge	3.00
Mr. Louis Leviser	10.00
Dr. Henry Francis Sears	50.00
Mr. Philip Shelton Sears	25.00
Mrs. Robert Shaw Russell	50.00
Mr. R. Furman	2.00
Mr. William E. Small	7.00
Anonymous	1.00
	<hr/> \$363.50

* * * * *

Awning for Veranda: Mr. Charles P. Curtis.

Books and Magazines: Miss Helen Higgins, Miss Elizabeth Johnson, Dr. Thomas M. Rotch, Rev. Mr. Simpson, Mr. Hendry A. Smith, Dr. D. H. Walker.

Clothing: Dr. Wallace Briggs, Mrs. G. F. Harding, Mrs. L. H. Taylor, Miss Anne Campbell.

Ear Trumpets: Mrs. Ellerton James.

Flowers: Miss Anne Campbell, Mrs. W. A. Locke, Miss Alice M. Mason, Mrs. Harold Peabody, Mrs. A. C. Ratchesky.

Gauze, Cotton, Surgical Supplies: American Red Cross, Mrs. H. B. Stevens.

Glasses: Mrs. H. H. Fay, Mrs. M. Prince, E. Soule, Miss Josephine Williams.

Picture: Mrs. S. W. Langmaid.

Toys: Miss Margaret McGuinness, Miss Theresa Merriam, Miss Edith Moorehouse, Mrs. Henry Talbot, Miss Althea Wright.

Improvements

A new Stereoscope has been installed in the X-ray Department, which has proved of great aid in X-ray study of disease of the eye and ear.

The two-bed ward has been remodelled on the Private Floor, and is especially designed for the treatment of mother and child.

REPORT OF THE BOARD OF MANAGERS

A medical worker has been employed to follow up carefully all eye and ear cases in the Out-Patient Clinic to make sure that they return promptly, thus preventing the possibility of any recurrence of dangerous complications without the knowledge of the surgeons concerned. This worker is not connected with the Social Service Department.

Report of The Ladies' Visiting Committee

The members of the Ladies' Visiting Committee, of which Mrs. Robert Shaw Russell is the Chairman, have visited the Infirmary during the past year and have done much to cheer and amuse patients. They have done good work and have been generous in many ways.

WILLIAM C. ENDICOTT, *Chairman,*

JAMES DEAN,

JAMES C. HOWE,

Committee of the Board of Managers.

Report of the Treasurer

Income, Receipts, and Disbursements

Year Ending September 30, 1919

INCOME

Received from investments for general purposes . .	\$27,125.30	
Received interest on deposits	475.62	
Received estate E. V. Ashton	2,100.00	
Received estate R. B. Brigham	1,000.00	
Received Committee of the Permanent Charity Fund, Inc.	2,250.00	
Received gifts — paid to Treasurer	525.00	
Received from investments for special purposes, viz.:		
Received from Brooks Fund, Social Service	250.00	
Received from Sears Fund, Social Service	960.00	
Received Committee of the Permanent Charity Fund, Inc.	1,050.00	
Received by Superintendent, per his report	140,256.99	
Received by Superintendent, gifts for general purposes	972.45	
Received by Superintendent, gifts for Social Service	363.50	
Received from Aural Surgeon's Fund \$600, less \$359.32 carried to next account	240.68	
		<u>\$177,569.54</u>

EXPENSES

Paid by Treasurer:		
Insurance	\$2,309.06	
Auditors and bookkeeping	242.50	
Rent of safe	40.00	
Miscellaneous	12.34	
Paid by Superintendent per his report, \$179,061.10		
Paid cost of Social Service Work	6,460.58	185,521.68
Total expenses		<u>\$188,125.58</u>
Total deficit		10,556.04

SOCIAL SERVICE WORK

Received income Sears Fund	\$960.00
Received income Brooks Fund	250.00
Received Committee of the Permanent Charity Fund, Inc.	1,050.00
Received gifts by Superintendent	363.50
	<u>\$2,623.50</u>
Deficit account Social Service Work	3,837.08
	<u>\$6,460.58</u>
Deficit account General Expenses	\$6,718.96
Deficit account Social Service Work	3,837.08
Total deficit	<u>\$10,556.04</u>

REPORT OF THE TREASURER

EXPENSES OF SOCIAL SERVICE WORK

Salaries of Social Workers	\$5,345.35	
Salaries of Clerical Workers	505.00	\$5,850.35
		<hr/>
Stationery and new typewriter		100.75
Street car and railroad fares		129.12
Postage, telegrams, and sundries		380.36
		<hr/>
		\$6,460.58
Cash in Treasurer's hands September 30, 1918 . .	\$49,689.00	
Cash in Superintendent's hands September 30, 1918	536.22	
Received Republic France, notes paid	10,525.00	
Received U. S. Certificates, notes paid	50,000.00	
Received one half Weber Fund income	75.00	
		<hr/>
		\$110,825.52
Received unexpended balance of Aural Instrument Fund		359.32
		<hr/>
		\$111,184.84

DISBURSEMENTS

U. S. Certificates bought	\$75,000.00	
Assessment Mass. Electric Preferred	580.00	
Cash September 30, 1919	25,048.80	
		<hr/>
		\$100,628.80
In payment of deficit		\$10,556.04

INVESTMENTS

Railroad Bonds

<i>Book Value</i>		<i>Par Value</i>
\$8,785.78	{ Atchison, Topeka & Santa Fé Ry. Gen. Mtg. 4% } Atchison, Topeka & Santa Fé Ry. Adjustment 4%	\$11,500.00
4,545.40	Atchison, Topeka & Santa Fé Ry. Convertible 4%	5,000.00
9,925.00	Boston & Albany R.R. Improvement 4%	10,000.00
10,325.00	Canadian Pacific Ry. 6%	10,000.00
10,637.50	Chicago, Milwaukee & St. Paul R.R. 6% . . .	10,000.00
10,287.50	Chicago, Burlington & Quincy R.R., Ill. Div., 4%	10,000.00
5,244.00	Cincinnati, Indianapolis, St. Louis & Chicago 6%	5,000.00
24,900.00	Chicago Junction Rys. & Union Stock Yards Mortgage 4%	25,000.00
10,400.00	Chesapeake & Ohio General Mortgage 4½% . .	10,000.00
10,500.00	Chicago City Ry. 5%	10,000.00
10,675.00	Fitchburgh R.R. 4%	10,000.00
4,502.50	Kansas City, Clinton & Springfield 5%	5,000.00
9,095.00	{ Kansas City, Memphis & Birmingham 4% . . . } Kansas City, Memphis & Birmingham 5% . . . }	13,500.00
<hr/>		<hr/>
\$129,822.68	<i>Amounts carried forward</i>	\$135,000.00

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

<i>Book Value</i>		<i>Par Value</i>
\$129,822.68	<i>Amounts brought forward</i>	\$135,000.00
10,008.50	Kansas City, Memphis Ry. & Bridge Co. 5% . .	10,000.00
24,012.50	Long Island R.R. 4%	25,000.00
8,100.00	Michigan Cent. R.R. 3½%	10,000.00
13,776.70	New York Central & Hudson River R.R. 3½% .	15,000.00
9,960.00	Northern Pacific Ry. 3%	15,000.00
9,450.00	Oregon Short Line 4%	10,000.00
10,000.00	St. Johnsbury & Lake Champlain 5%	10,000.00
<u>\$215,130.38</u>		<u>\$230,000.00</u>

<i>Book Value</i>	MISCELLANEOUS BONDS	<i>Par Value</i>
\$4,712.50	American Agricultural Chemical Co. 5%	\$5,000.00
19,271.53	American Tel. & Tel. Coll. Tr. 4%	21,000.00
4,934.37	American Tel. & Tel. Coll. Tr. 5%	5,000.00
8,000.00	Butte Electric & Power Co. 5%	8,000.00
9,550.00	California Gas & Electric Corporation 5% . . .	10,000.00
14,700.00	Detroit Edison Co. 5%	15,000.00
4,582.64	Edison Electric Co. of Los Angeles 5%	5,000.00
9,850.00	Georgia Ry. & Electric Co. 5%	10,000.00
6,965.00	Louisville & Jeffersonville Bridge Co. 4% . . .	7,000.00
4,900.00	Mass. Elec. Co. 5%	5,000.00
6,700.00	Mass. Hospital Life Ins. Co.	6,700.00
5,055.00	National Tube Co.	5,000.00
5,425.00	New York City 4½%	5,000.00
15,000.00	New Eng. Tel. & Tel. 5%	15,000.00
3,000.00	Savannah Electric Co. 5%	3,000.00
10,600.00	Seattle Electric Co. 5%	10,000.00
5,037.50	Southern Bell Tel. Co. 5%	5,000.00
9,800.00	Southern California Edison Co. 5%	10,000.00
5,100.00	State of Massachusetts 3%	5,000.00
4,993.75	Swift & Co. 5%	5,000.00
10,150.00	Tacoma Ry. & Power Co. 5%	10,000.00
4,975.00	United Electric Securities Co. 5%	5,000.00
9,850.00	United Kingdom, Great Britain and Ireland 5½%	10,000.00
14,693.75	United States Steel Corp. 5%	15,000.00
<u>\$197,846.04</u>		<u>\$200,700.00</u>

	RAILROAD STOCKS	
<i>No. of Shares</i>		<i>Book Value</i>
135	Atchison, Topeka & Santa Fé Ry. Preferred	\$10,792.66
16	Boston & Maine R.R. Common	840.00
2	Boston & Providence R.R.	510.00
100	Chicago Junction Rys. & Union Stock Yards Preferred .	11,907.50
	<i>Amounts carried forward</i>	<u>\$24,050.16</u>

REPORT OF THE TREASURER

<i>No. of Shares</i>		<i>Par Value</i>
	<i>Amounts brought forward</i>	\$24,050.16
25	Concord & Montreal R.R.	1,346.25
62	Chicago & Northwestern R.R. Common	7,981.25
21	Fitchburg R.R. Preferred	2,063.13
20	Manchester & Lawrence R.R.	1,830.00
100	Manhattan Railway	14,187.50
50	New York Central & Hudson River R.R.	5,881.25
4	New York, New Haven & Hartford R.R.	315.50
15	Northern R.R.	1,215.00
100	Union Pacific R.R. Preferred	8,156.25
5	Vermont & Mass. R.R.	410.00
		<hr/> \$67,436.29

REAL ESTATE

<i>No. of Shares</i>		<i>Book Value</i>
15	Boston Ground Rent Trust	\$1,500.00
10	Boston Real Estate Trust	10,260.75
2	Devonshire Building Trust	200.00
5	Providence Building Co.	500.00
5	Warren Chambers Trust	500.00
		<hr/> \$12,960.75

MISCELLANEOUS STOCKS

<i>No. of Shares</i>		<i>Book Value</i>
100	American Sugar Refining Co. Preferred	\$11,680.75
246	American Tel. & Tel. Co.	30,286.62
9	Walter Baker Co., Ltd.	1,200.00
250	Ballard Vale Mills Preferred	25,000.00
9	Boston Personal Property Trust	990.00
3	Edison Electric Illuminating Co.	781.50
58	Mass. Elec. Preferred	5,580.00
3	N. E. Tel. & Tel.	399.75
104	West End St. Ry. Common	7,790.00
8	Western Union Tel. Co.	504.00
		<hr/> \$84,213.32

U.S. Certificates of Indebtedness, 4½%	\$25,000.00
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SUMMARY

Stocks and Bonds: Investments (book value)	\$602,586.78
New Infirmary	347,400.44
Nurses' Home, land and building	204,205.27
Laboratory	11,735.91
Cash on hand and in Superintendent's hands	25,048.80
	<hr/> \$1,190,977.20

LIABILITIES

Capital, including various funds and legacies	\$1,190,977.20
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Report of the Superintendent

TO THE BOARD OF MANAGERS.

Gentlemen: I have the honor to submit the following report. Dr. Eugene Walker, Assistant Superintendent, and Acting Superintendent during my absence in the United States service, resigned shortly after my return. Dr. Walker's conduct of the affairs of the Infirmary has been admirable through this trying period; he was severely handicapped by high prices, scarcity of efficient help, and lack of medical and nursing assistants, due to the demands of the Army and Navy. He also conducted the affairs of the Infirmary during the extremely severe epidemic of influenza which occurred last fall. Dr. Harold M. Frost has been selected to take his place as Assistant Superintendent.

The members of the medical and administrative staffs and the nurses who were absent on war service have now returned and the Infirmary is again running much as in normal times.

This is the first year, however, that we have been obliged to get along without aid from the Commonwealth. The new Constitution of Massachusetts reads as follows:

ARTICLE 112. The credit of the Commonwealth shall not in any manner be given or loaned to or in aid of any individual or of any private association or of any corporation which is privately owned and managed.

This has meant a loss to us of \$45,000 per annum, or three-fifths of the income upon which we have depended over and above the amount collected in the Superintendent's account at the Infirmary. The only way to offset this has been to increase our charges and lessen the amount of our charity; the following tables compared with the tables of preceding years will show how this has been done. In spite of this and the most rigid economies, we are obliged to show a deficit of \$10,556.04.

Attention is invited to the appended reports and tables of statistics which follow.

Yours very respectfully,

FREDERIC A. WASHBURN,
Superintendent.

REPORT OF THE SUPERINTENDENT

Statistics of House Patients

The total number of patients treated in the wards was 4,603.

Of the 4,603 house patients, 2,634 were males and 1,969 were females.

Number of patients treated in ophthalmic wards	1,745
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Number of patients treated in aural wards	2,858
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Of this number 184 were treated in the Gardner Building for infectious diseases; 82 of these were infants under one and one half years of age. A report on the special work in the Gardner Building follows. The average number of patients treated daily in this building was 12+.

Number of children treated in the wards:

Under 2 years of age	196
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From 2 to 7 years of age	661
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From 7 to 14 years of age	856
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	<hr/> 1,713
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The average number of patients treated daily in the wards was 113—.

The largest number of house patients treated on any one day was 152; the smallest number, 54.

Number of free patients	499
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Number of patients admitted at \$17.50 per week	1,153
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Number of patients admitted at \$15.00 per week	52
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Number of patients admitted at \$10.50 per week	1,344
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Number of patients admitted at less than \$10.50 per week	735
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Private Patients

Number of patients admitted at \$56.00 per week	12
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Number of patients admitted at \$49.00 per week	4
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Number of patients admitted at \$35.00 per week	344
---	-----

Number of patients admitted at \$28.00 per week	31
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Number of patients admitted at \$21.00 per week	429
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The average stay per patient in the hospital under treatment was 9+ days.

42,383 days' board was furnished to patients. For 26,635 days' board something was paid, and 15,748 days' board was free.

Cost per house-patient per week	\$30.31
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Cost of subsistence per inmate per day39+
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MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Residences of House Patients

Boston	1,674	Rhode Island.	28
Massachusetts	2,690	Connecticut	14
Maine	24	Other States	12
New Hampshire	130	Canada	9
Vermont	22	Total	4,603

Occupations of House Patients

MALES, OPHTHALMIC

Agents	7	Pensioners	19
Bakers	5	Physicians	6
Barbers	2	Plumbers	11
Blacksmiths	5	Policemen	3
Bookkeepers	6	Porters	5
Carpenters	26	Printers	4
Chauffeurs	10	Railroad employees	25
Clerks	35	Salesmen	6
Contractors	3	Seamen and fishermen	12
Draughtsman	1	Shippers	2
Cooks	3	Shoemakers	3
Electricians	5	Soldiers	1
Engineers	8	Students	5
Farmers	23	Stonecutters	6
Firemen	13	Storekeepers	11
Gardeners	5	Tailors	5
Janitors	6	Teachers	3
Laborers	98	Teamsters	16
Machinists	60	Waiters	7
Masons	6	Watchmen	3
Metal workers and moulders	22	Upholsterers	1
Mill and factory operatives	141	Unclassified	116
Painters and glaziers	11	Minors	279
Pedlers	5	Total	1,055

MALES, AURAL

Actors	2	Chemists	1
Agents	11	Draftsmen	3
Bakers and cooks	6	Electricians	19
Barbers	10	Engineers	11
Blacksmiths	3	Farmers	16
Bookkeepers	7	Firemen	5
Butchers	4	Gardeners	6
Carpenters and woodworkers	30	Janitors	6
Chauffeurs	17	Laborers	62
Clerks	55	Lawyers	2
Clergymen	1	Letter-carriers	3

REPORT OF THE SUPERINTENDENT

Machinists	62	Shippers	7
Metal workers and moulders	16	Shoemakers	4
Mill and factory operators .	152	Soldiers	12
Musicians	2	Stenographers	1
Orderlies	3	Stonecutters	3
Painters and glaziers . . .	15	Storekeepers	13
Photographers	2	Waiters	8
Pensioners	3	Watchmen	1
Plumbers	13	Railroad employees	31
Policemen	4	Students	48
Porters	11	Tailors	9
Pedlers	5	Teachers	8
Physicians	8	Teamsters	19
Printers	7	Minors	759
Salesmen	19	Unclassified	38
Seamen and fishermen . . .	16	Total	1,579

FEMALES, OPHTHALMIC

Bookkeepers	2	Saleswomen	4
Clerks	10	Stenographers	2
Cooks	4	Students	1
Domestics	65	Teachers	1
Dressmakers	3	Waitresses	5
Housewives	238	Minors	222
Mill and factory operatives	32	Unclassified	96
Nurses	5	Total	690

FEMALES, AURAL

Attendants	10	Saleswomen	8
Bookkeepers	13	Stenographers	11
Clerks	56	Students	30
Cooks	2	Social Service workers . . .	1
Domestics	73	Teachers	26
Dressmakers	8	Telephone Operators . . .	7
Housewives	191	Waitresses	10
Mill and factory operatives	71	Minors	699
Milliners	2	Unclassified	34
Nurses	27	Total	1,279

Condition of House Patients at Discharge

154 were well.	33 died.
4,175 were relieved.	9 were transferred to other hos-
78 were not relieved.	pitals for different diseases.
22 left against advice.	130 remaining in hospital Sep-
2 were not treated.	tember 30, 1919.

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Number of Operations

In the Ophthalmic Department there were 1,387 operations performed in the House and 2,455 in the Out-Patient.

In the Aural Department there were 2,832 operations performed in the House and 1,573 in the Out-Patient.

Out-Patient Department

New Patients treated:

Ophthalmic: Males	8,734	
Females	7,587	
	<hr/>	16,321
Aural: Males	4,821	
Females	4,380	9,201
	<hr/>	<hr/>
Total		25,522

Old Patients treated:

Ophthalmic	28,972	
Aural.	14,605	43,577
	<hr/>	<hr/>
Total visits in Out-Patient Department		69,099

Residences of Out-Patients

Boston	9,201	Rhode Island	18
Massachusetts	16,122	Connecticut	4
Maine	22	Other States	17
New Hampshire	123	Canada	4
Vermont	11	Total	<hr/> 25,522

Occupations of Out-Patients

Actors	4	Bookbinders	31
Agents	38	Bookkeepers	107
Barbers	127	Butchers	39
Bakers	60	Carpenters	368
Blacksmiths	102	Chauffeurs	190

REPORT OF THE SUPERINTENDENT

Clergymen	15	Pedlers	140
Clerks	1,100	Pensioners	108
Coachmen and hostlers . .	6	Photographers	4
Compositors and printers .	114	Physicians and dentists . .	19
Cooks	99	Plumbers	102
Domestics	908	Policemen and letter carriers	94
Draftsmen	14	Porters	51
Electricians	98	Railroad employees	264
Engineers	74	Sailors	133
Engravers	13	Shipbuilders	348
Farmers	99	Seamstresses	247
Firemen	160	Shoemakers	82
Fishermen	60	Soldiers	209
Housewives	4,300	Stenographers	160
Hotel keepers	7	Stonecutters	27
Laborers	1,506	Storekeepers	21
Lawyers	2	Students	7
Machinists	1,007	Tailors	132
Masons	58	Teachers	55
Messengers	43	Teamsters	303
Mill and factory employees	3,320	Telephone operators . . .	74
Milliners	19	Waiters	197
Moulders and iron-workers .	228	Unclassified	2,141
Musicians	12	Minors	6,003
Nurses	121		
Painters	152		
		Total	25,522

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Comparative Financial Statements
For the Fiscal Years 1918 and 1919

OPERATING EXPENSES		1919	1918
SALARIES AND WAGES			
Officers and Clerks		\$8,999.57	\$7,266.00
Telephone Operators		1,500.63	1,411.06
Out-Patient Department Clerks		4,457.66	4,417.58
Social Service Workers . . .		5,850.35	6,816.22
Druggists		2,328.17	2,075.28
Opticians		3,089.30	2,780.00
Refractionists		1,343.52	1,256.40
Superintendent of Nurses and Assistants		2,970.00	2,721.00
Head Nurses and Assistants		11,288.52	10,698.07
Post Graduate Nurses . . .		216.00	360.00
Pupil Nurses		795.20	602.75
Special Nurses		5,825.57	4,125.78
Attendant Nurses		5,634.13	4,546.32
Orderlies		4,939.92	4,660.05
Ward Maids		2,061.53	1,966.03
X-Ray Department		1,734.38	1,746.50
Pathological Laboratory . .		1,337.33	1,593.26
Store		445.00	549.05
Housekeeping and Kitchen		13,076.39	11,278.13
Laundry		4,410.64	4,192.02
Maintenance, Property and Plant		7,555.25	6,547.61
Industrial Worker		720.00	432.00
Total		\$90,399.06	\$82,041.11
HOSPITAL RECEIPTS			
Board of Patients		\$39,307.51	\$26,183.73
X-Rays		1,889.85	1,615.35
Wassermann Tests		93.00	81.00
Special Nurses		1,732.50	427.00
Optical		33,238.75	26,124.07
Apothecary		12,244.23	12,001.56
Admission Fees, Out-Patient Department		14,979.65	11,724.80
Throat Patients' Board . . .		3,160.00	2,498.00
Records		276.50	323.25
Certificates		180.50	140.75
Telephone		228.53	234.93
Interest		149.25	156.70
Stamps		129.48	125.14
Grease, Bones, Boxes, Barrels, and Junk		25.28	77.11
Miscellaneous		1,415.14	1,024.94
Board, Private Patients . . .		19,263.00	18,254.16
Operating Room Fees, Private Patients		7,896.50	7,298.50
X-Rays, Private Patients . .		355.00	475.50
Wassermann Tests, Private Patients		21.00	24.00
Special Nurses, Private Patients		5,179.75	4,281.57
Miscellaneous, Private Patients		82.04	62.25
War Tax on Gold-filled Frames		230.99	
Total		\$142,078.45	\$113,134.31

REPORT OF THE SUPERINTENDENT

OPERATING EXPENSES		SUMMARY FOR	
SUPPLIES		1919	1918
General Administration . . .	\$4,520.72		\$5,245.77
Apparatus and Instruments . . .	968.00		1,554.83
Medical and Surgical . . .	9,151.87		17,639.91
Wassermann Tests . . .	91.00		96.00
X-Rays . . .	568.64		2,315.22
Optical . . .	10,635.21		10,504.08
Housekeeping and Kitchen			10,154.85
Laundry . . .	4,515.68		1,162.52
Meat, Poultry, and Fish . . .	1,125.41		9,532.80
Fruit and Vegetables . . .	11,065.11		4,047.77
Bread and Flour . . .	3,784.06		3,659.79
Milk and Cream . . .	2,711.03		7,685.92
Groceries . . .	9,944.45		6,895.80
Butter and Eggs . . .	6,799.31		5,370.94
Gas . . .	5,534.41		308.12
Electric Lighting, Nurses'	395.03		
Home . . .	452.34		507.55
Heat, Light, and Power, Hos-			
pital Buildings . . .	13,490.80		15,015.61
Ice . . .	2,207.18		1,728.81
Fuel, Kitchen . . .	475.54		451.71
Fuel, Nurses' Home . . .	1,313.76		1,526.02
Water, Hospital Buildings . . .	1,114.80		1,383.60
Water, Nurses' Home . . .	242.00		202.50
Maintenance, Property and			
Plant . . .	3,112.33		4,630.22
Refunds . . .	1,821.46		1,575.04
Miscellaneous . . .	672.95		401.81
War Tax on Gold-filled Frames	230.99		
Total . . .	\$96,944.08		\$113,599.19
OPERATING EXPENSES			
Salaries and Wages . . .		\$90,399.06	\$82,041.11
Supplies . . .		96,944.08	113,599.19
Total Hospital Expenses . . .		\$187,343.14	\$195,640.30
Total Hospital Receipts . . .		142,078.45	113,134.31
Necessary to Balance Account		\$45,265.69	\$82,505.99
Estimated Income from Treas-			
urer . . .	30,000.00		75,000.00
Estimated Deficit . . .		\$15,265.69	\$7,505.99
Estimated Profit . . .		.....	.....
RECEIPTS			
From Hospital . . .		\$142,078.45	\$113,134.31
From Treasurer . . .		41,500.00	81,900.00
Donations . . .		972.45	576.00
Donations, Social Service		363.50	457.50
Total Receipts . . .		\$184,914.40	\$196,067.81
Oct. 1, 1919, Debit balance	\$1,892.52		
Oct. 1, 1918, Cash on hand	536.22		
		\$2,428.74	
Oct. 1, 1918, Cash on hand	\$536.22		
Oct. 1, 1917, Cash on hand	108.71		
			\$427.51
Total . . .		\$187,343.00	\$195,640.30

Report on the Work of the Gardner Building

During the past year 184 patients were treated in the Gardner Building. There were 85 cases of gonorrheal ophthalmia neonatorum and 52 cases of non-gonorrheal ophthalmia neonatorum. At the time of entrance the cornea was involved in 5 cases of gonorrheal ophthalmia neonatorum, 3 of these being clear on discharge.

There were 15 cases of gonorrheal suppurative conjunctivitis and 24 cases of non-gonorrheal suppurative conjunctivitis. At the time of entrance the cornea was involved in 5 cases of gonorrheal suppurative conjunctivitis, one of these being clear on discharge. The cornea became involved in 2 cases after admission, and were still involved on discharge. At the time of entrance the cornea was involved in 5 cases of non-gonorrheal suppurative conjunctivitis, none of these clearing by the time of discharge.

There were also 50 cases of trachoma treated.

Three Saemisch's operations were performed.

Nineteen patients were transferred to Gardner Building for erysipelas, chicken pox, measles, whooping cough, and other infectious diseases which manifested themselves in the general wards of the hospital.

REPORT OF THE SUPERINTENDENT

A Comparative Report of the Work of the Infirmary for the Last Ten Years

Report of the House and Out-Patient Departments from October 1, 1910, to September 30, 1919, showing the yearly change in the number of new patients and number of visits in each department.

<i>Year</i>	<i>House Patients</i>		<i>Out-Patients</i>				<i>Total</i>
	<i>Ophthalmic</i>	<i>Aural</i>	<i>Ophthalmic New</i>	<i>Aural New</i>	<i>Ophthalmic Old</i>	<i>Aural Old</i>	
1910	1,646	1,910	19,542	9,364	18,508	16,695	67,665
1911	1,700	1,749	20,408	9,467	17,273	14,493	65,090
1912	1,646	1,874	19,265	9,182	16,412	13,396	61,775
1913	1,756	1,896	19,853	10,159	15,319	12,731	61,714
1914	1,805	1,825	18,734	9,942	15,840	14,256	62,402
1915	1,794	1,852	18,689	9,837	20,611	18,489	71,272
1916	1,858	2,158	19,833	10,865	25,224	20,095	80,033
1917	1,730	2,936	19,331	10,285	27,936	19,509	81,717
1918	1,811	2,812	16,371	8,577	27,323	20,697	75,591
1919	1,745	2,858	16,321	9,201	28,972	14,605	73,702

Post-Graduate Training School Report

From October 1, 1918, to September 30, 1919, sixty students have entered the course; fifty-five have completed the training; of the five not completing the training three left on account of illness in their families, two were unable to keep up with the class.

The number of applications during the latter part of 1918 decreased over the same period of 1917, but since the return of the nursing groups from over seas the applications have increased over any other period.

The affiliations with the Massachusetts General Hospital Training School and the Melrose Hospital Training School have continued even during the extreme shortage of nurses at the time of the influenza epidemic.

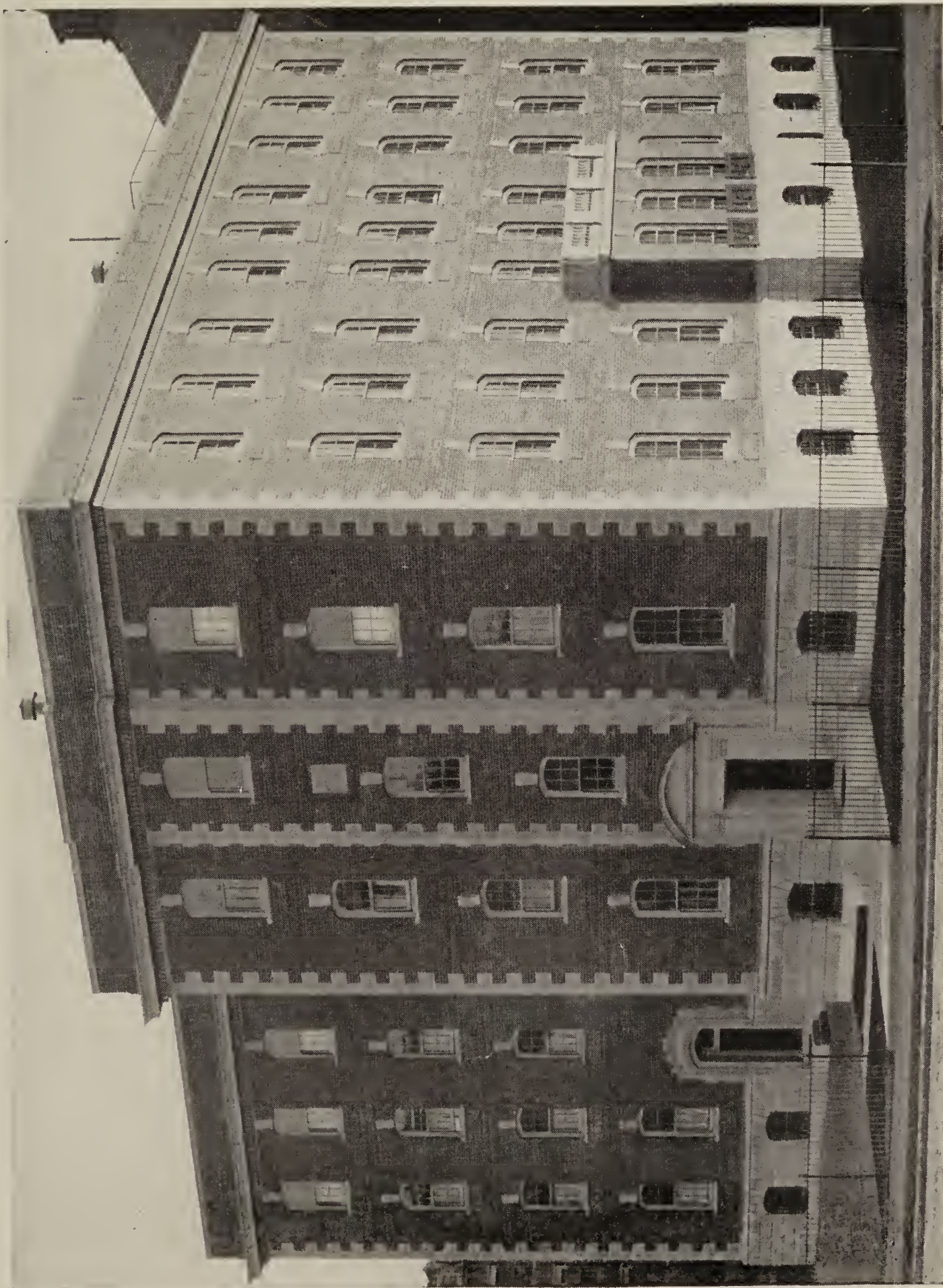
Two new affiliations have been made: one with the Waltham Training School for nurses and one with the Rockingham Hospital Corporation Training School for nurses.

The course has proven very popular with the affiliated students and the superintendents of their training schools and it is expected that the number of students sent during 1920 will be greater than 1919; that this training is greatly needed and should be given to all pupil nurses during their general training is the opinion of the heads of the training schools, but the limited number of women applying for nurses training prevents full advantage being taken of the opportunity offered by the Infirmary for affiliations.

We have maintained the standard of keeping the classroom well equipped with teaching appliances, a library stocked with the standard dictionaries, encyclopædias, medical and nursing works, to which are added new books as published.

The curriculum has been arranged to cover definitely all the essentials of our special work; and supervisors with time and ability to teach have been employed.

The students have been relieved from the laborious hospital housework, so destructive to the energy and purpose of the woman who wishes training in care of the sick; therefore the student has time to think, to study, and to bring unfatigued bodies and



NURSES' HOME
OPENED AUGUST 5, 1909

POST-GRADUATE TRAINING SCHOOL REPORT

minds to the instruction which the Infirmary offers them. We hope during the coming year to lessen the number of work hours per week.

The part taken by the nurses of the country in the war needs no comment here, but it may be recorded that when the roll was called the graduate nurses of the Infirmary answered present.

During the influenza epidemic more than half of our nurses contracted the disease; we were fortunate that no deaths occurred and no disabling complications.

My thanks are again due to the surgeons, house officers, and the many others who have extended help and courtesy to the Training School.

Respectfully submitted,

MARY COONAHAN, R.N.,
Superintendent of Nurses.

Report of Medical-Social Service Department

October 1, 1918,—October 1, 1919

It is a regrettable fact that owing to a shortage of workers, due partly to lack of money and partly to illness, the Medical-Social Service Department of the Infirmary has not enlarged its field of usefulness, as it had hoped. The work, in part at least, has been superficial, and we feel that the physicians, but most of all the patients, deserve better at our hands. It is with a sense of pride and gratitude that the writer acknowledges the loyalty and devotion of the small group of workers who so cheerfully gave of themselves. At the time of writing, the staff consists of four workers and a stenographer, but it is hoped that in the near future three others may be added.

On October 1, 1918, Miss Ida M. Cannon, Chief of Social Service, was made Associate Director in the Department of Civilian Relief in the New England Division of the Red Cross, which proved to be a serious loss, as her wise council was of great value to the Department. During the same month three workers were released by the Superintendent to help in the fight against the influenza; two were assigned to Boston and one to Fall River.

The Department is run upon a strictly non-sectarian basis, and in conjunction with all departments of the Infirmary. Its main functions are:

- First:* To follow up all cases referred from clinic or wards for the purpose of completing the medical treatment.
- Second:* To work in close co-operation with Boards of Health, Public Health agencies, etc., in an effort to minimize social diseases.
- Third:* To act as a means of interpretation between patient and physician, and in this way promote a better understanding of conditions, both medical and social.

REPORT OF MEDICAL-SOCIAL SERVICE DEPARTMENT

- Fourth:* To arrange for readjustment and education of patients handicapped from eye or ear diseases.
- Fifth:* To maintain a high standard of educational work in the homes, along the lines of elementary hygiene and common standards of living.
- Sixth:* To work on the basis of prevention of blindness and deafness.

During the year, 1,468 patients were known to the Department. 224 of this number were carried over from last year. 834 home visits were made, while 235 were referred to Public Health agencies for medical supervision in the homes. Excellent work was done along educational lines by these nurses, whose interest greatly hastened the recovery of the patients.

The Department still works in close relationship with the Massachusetts Commission for the Blind, in order that the low-visioned or blind patients may get what is best along the line of education, or work, in order that they may become at least partially if not wholly self-supporting. One hundred and ninety-five patients belonging to this class were reported to the above named organization, said number not being included in the group of 1,468.

Home visiting was at times simplified by the loan of an automobile by private individuals, and by the Red Cross, for which aid thanks are now tendered.

To Miss Coonahan, Superintendent of Nurses, the Staff physicians, nurses, and clerks, and to all who have aided the work of the Department, grateful acknowledgment is made.

For the keen understanding and unfailing support in all matters of medical-social import, most sincere thanks are extended to Dr. Eugene Walker, former Assistant Superintendent; and to his successor, Dr. Harold M. Frost, who by their co-operation and interest have done much for the unfortunates who came to our doors.

General Work

Owing to the lack of a General Worker a large number of cases from the Eye Clinic were handled by the worker in Gardner Ward. This was a fact to be deplored, as the combination proved to be unsatisfactory from various points of view.

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

In this group were many children suffering from Phlyctenular Keratitis, who ought to have had intensive work done on them in order that a recurrence might, if possible, be prevented; but it was found necessary to handle them in a more or less casual way, which is far from the ideal method. Home visits, school and district nurse supervision are essential, and sometimes the placing out of children in the country becomes a necessity in the fight to prevent the impairment of vision.

136 patients of varied diagnoses were taken over intensively, which entailed the making of 114 visits to homes and 20 to agencies. 239 patients were given instructions at clinic, and were followed through outside agencies, and upon this number 148 home visits were made.

Also in the general group were 142 patients, sent with letters from other institutions or organizations to be steered through our clinics. No social responsibility was carried by our Department, its only function being to return intelligent reports to the societies interested, and to see that the financial arrangements were satisfactory to all parties concerned.

The work of personally steering to the Massachusetts General Hospital clinics those patients who need examination and treatment in a general hospital has been continued, to the mutual benefit of patient and physician. 609 passed through our hands in this fashion.

Ophthalmia Neonatorum

The duties of the worker in charge of the Ophthalmia Neonatorum group are:

- First:* To get an accurate history and any evidence of neglect of the child's eyes previous to admission; this is to supplement the physician's history.
- Second:* To secure, as far as possible, breast feeding for all babies admitted to Gardner Ward; mothers are urged to come to the Infirmary to nurse their babies, but where the difficulties of travel are too great special provision is made by the Superintendent for the boarding of the mothers free of charge during the baby's period of treatment. Where neither of these plans is possible it is the duty

REPORT OF MEDICAL-SOCIAL SERVICE DEPARTMENT

of the worker, in co-operation with the private physician on the case, to arrange for the sending of a daily supply of the mother's milk by parcel post or special messenger.

Third: To persuade parents of babies with gonococcus infection to have necessary treatment.

Fourth: To plan for hygienic supervision of babies after discharge, not only for care of eyes, but for general care and feeding.

Fifth: To report to the Massachusetts Commission for the Blind all cases showing medical neglect and all cases of scarred cornea.

During the year 85 babies suffering from Ophthalmia Neonatorum were referred to the medical social worker. Of this number 60 were referred for intensive work and 25 for close medical follow-up, and of these 11 were illegitimate.

150 home calls were made and 37 visits to agencies.

The patients ranged in age from four days to five months, and remained under treatment from 2 days to 3 months, and upon discharge were referred to local welfare nurses, or to other responsible agencies, for supervision.

Of the 85 babies, 60 were wholly and 4 partially breast fed.

46 of that number had negative and 39 positive gonococcus smears; 6 of the mothers were found to have positive smears, while their babies showed a negative reaction.

37 parents were examined and treated at the Massachusetts General Hospital G. U. Clinic, while 24 were under the care of private physicians and several were known to other dispensaries.

Ophthalmia Neonatorum

77 babies were referred to Baby Welfare nurses, 3 to State Minor Wards, 2 to City Trustees, and 4 to Massachusetts Commission for the Blind.

Interstitial Keratitis

On June 18, 1919, after a lapse of fifteen months, the study in Interstitial Keratitis was resumed, and it is hoped that the data secured may result in a truly scientific study of the disease. The group has been assigned to a special worker whose knowledge of eye conditions makes her especially fitted for the position.

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

The functions are:

- First:* To secure social data significant to the study.
- Second:* To keep patient under active treatment, both at the Infirmary and Massachusetts General Hospital. (Syphilitic Clinic.)
- Third:* To readjust home conditions in co-operation with Public Health and Social agencies, so the long and tedious treatment may be completed.
- Fourth:* To make constructive, educational plan for education of children where eyesight is permanently impaired.
- Fifth:* To have, when possible, the parents of the children examined, and treated if necessary, and to present findings of same to clinics of the Infirmary and Massachusetts General Hospital.

32 patients were referred from clinic, 9 of whom were adults. Of these, 23 children are under regular treatment at the South Medical Clinic, and 12 parents were admitted to the same clinic, as the result of Wassermann tests, while 2 others were not treated, being beyond the age limit for preventive work. The 9 adult patients are under active treatment at both clinics.

Ward Work

For various reasons, the work in the Wards has not been carried on continuously, which is a fact to be regretted, for much remains to be done along the lines of preventive work among the children in Bradlee Ward.

269 patients were referred to the special worker, or, in her absence, to the Out-Patient Department workers. 82 of this number received close supervision, convalescent care, etc., while 187 were slight service cases and were turned over to outside agencies or steered to other institutions. 52 cases were referred to Public Health nurses for medical follow-up in the homes.

General Work

Medical-Social Service Department

October 1, 1918, — October 1, 1919

Aural Department

During the year the medical-social worker has dealt more with children than with adults, because the work with the former is more hopeful, as it may prevent chronic invalidism and future dependence.

The types of service rendered have been mainly:

- I. Medical Follow Up.
- II. Totally Deaf Children.
- III. Special Adult Cases.

322 children have been under supervision; 175 new cases; 41 reinstated; and 106 carried from previous year; of which 162 were under five years of age.

Chronic diseases of the ear are frequently the result of neglect following measles, scarlet fever, and colds, and present a difficult problem. These cases showed definitely the need of further explanations to the parents than the doctor could give in a busy clinic, and this was done at length by the worker, at the Infirmary, or in the patient's home. In the majority of cases the parents, although ignorant, with no standards of health, meant well, and were anxious to learn, and accepted most gladly the instructions given by the visitor. 107 of the above group were in need of further medical attention, and were taken to the Children's Room of the Massachusetts General Hospital.

83 were referred to the district nurses for supervision of home treatment, while 13 were referred to Baby Welfare Nurses for supervision of feeding.

191 home visits were made by the worker, and arrangements were made for 18 children to be sent to the country for a two weeks' vacation.

168 were discharged well.

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Deaf Children

As in the previous year the totally deaf children were automatically referred from the clinic and kept in one group. The total number of these children was 71, 38 of whom were carried over from the previous year. As mentioned in a previous report, the great need of these children is an opportunity for education, and this problem was worked out in co-operation with the Massachusetts State Board of Education, so that eventually each child may have a chance, although at present the capacity of the few existing schools for the deaf is inadequate to the demand.

The total number of applications filed is 58, of which 28 have been admitted to school, while 30 remain on the waiting list. It is earnestly urged that this problem of the Hard of Hearing may be solved in the near future, and that special Lip-Reading Classes may be formed in public schools for the partially deaf children, in order that their education may begin at kindergarten age for the following reasons:

- a. Young deaf children are abnormally bright, but later become stupid on account of neglect.
- b. Power of imitation and concentration strong.
- c. Training to begin before "sign-habits" have been fully formed.
- d. Importance of retaining normal voice.

The above is distinctly a public problem, and not one for individual or private backing.

JESSIE M. C. HUME, R. N.,

Chief Social Worker.

Report of the Pathological Laboratory

During the past year, owing to the war, the work of the laboratory has necessarily been curtailed. Much of the routine work, however, has gone on without interruption, and all pathological material has been preserved for future examination.

Owing to the absence of the Pathologist and Dr. Howard on war service, practically no research work could be carried out. On his discharge from the service, Dr. Howard returned to his work in China, where he expects to continue the investigations he had begun in this laboratory.

The facilities of the laboratory and the pathological collections are being used for teaching purposes to a considerable extent, but under present conditions cannot be utilized to the best advantage. Most of the men seeking instruction in ophthalmic pathology here have already established themselves in practice and are endeavoring to make up deficiencies in their training. These deficiencies do not relate solely to ophthalmic pathology, but to the histology, embryology, and physiology of the eye as well. Few men can afford the time and expense necessary to perfect themselves in these branches after they have once begun practice. To remedy this condition there is needed a well organized graduate school of ophthalmology in which physicians can be thoroughly trained at the end of their regular medical course. No such school exists anywhere in this country at the present time. For its establishment here a special endowment fund is required, and efforts should be made to secure this. As stated in the Report of 1916, "such a school would contribute to the advancement of ophthalmology in various ways; it would insure that the graduates had a real knowledge of their specialty before beginning practice; it would insure better service to the Infirmary, owing to the improved training of the House Officers and attending Surgeons; and most important of all, at least at the present time, it would enable men who were fitted for research work to make evident their qualifications and inclinations in this direction."

FREDERICK H. VERHOEFF, M.D.

Pathologist.

Report of the X-Ray Department

The following cases have been examined:

	<i>Positive</i>	<i>Negative</i>
Accessory sinuses:		
Sinusitis		112
Neoplasm	3	4
Frontal sinus:		
Sinusitis	84	49
Undeveloped	47	
Ethmoids:		
Sinusitis	62	28
Fronto-ethmoiditis	26	
Antrum Highmore:		
Sinusitis	48	22
Sinusitis and Ethmoiditis	63	
Undeveloped	2	
Undeveloped Frontal, Ethmoids and Antrum (unilateral)	2	
Pansinusitis	73	
Sphenoidal sinus:		
Sinusitis	4	8
Neoplasm		4
Teeth:		
Root abscess	78	35
Molar, impacted	7	5
unerupted	4	
abscessed root extending into antrum	2	
Temporal Bone:		
Mastoid:		
Mastoiditis, acute		56
acute, first degree	74	
acute, second degree	108	
acute, third degree	69	
chronic sclerosing	114	
chronic sclerosing with acute ex-		
accerbation	24	
chronic sclerosing with cholesteotome	28	18
recurrent.	18	
Otitis externa diffusa	16	
Osteomyelitis, squamous portion	2	
Fractures:		
Parietal bone	1	2
Occipital bone		4
Base of skull		7

REPORT OF THE X-RAY DEPARTMENT

	<i>Positive</i>	<i>Negative</i>
Cerebral tumor (including pituitary)	2	3
Cerebral abscess	1	2
Foreign body:		
In eye	68	132
In eye multiple	3	
In sclera	2	
Double perforation (extraocular)	8	
Two, one intraocular, the other extraocular	3	
Extraocular	12	
Orbit:		
Tumor	3	5
Cellulitis	5	2
Abscess, from accessory sinuses	2	
Fracture	3	7
Lacrimal bone	1	4
Nasal bone, caries (specific) involving orbit		2
Unclassified	24	

X-Ray Treatments

Epithelioma	74	
Lympho-sarcoma	1	
Sarcoma:		
Globe	1	
Orbit	4	
Vernal Catarrh	22	
Trachoma	18	
Glioma Retina	1	
Naevus	2	
Sebaceous Cyst	3	
	<hr/>	<hr/>
	1,222	511
Total		1,733

WILLIAM LIEBMAN, M.D.,
Roentgenologist.

Scientific Papers Published by the Surgical Staff during the Year 1918-1919

- "Siderosis Bulbi." By Frederick H. Verhoeff, M.D. *The British Journal of Ophthalmology*, November, 1918.
- "An Efficient Lamp for Eye Operations." By Frederick H. Verhoeff, M.D. *American Journal of Ophthalmology*, January, 1919.
- "Pathological Report on Dr. Stark's Case of Congenital Tumor of the Cornea." By Frederick H. Verhoeff, M.D. *American Journal of Ophthalmology*, January, 1919.
- "A Case of Keratitis Profunda (or Disciformis?), with Microscopic Examination." By Frederick H. Verhoeff, M.D. *American Ophthalmological Transactions*, 1919.
- "An Informal Report on Otolaryngology in the First Year of the War." By Harris P. Mosher, M.D. *Annals of Otology, Rhinology, and Laryngology*, June, 1918.
- "A Summary of the Activities of the Section of Otolaryngology." By Harris P. Mosher, M.D. *Military Surgeon*, December, 1918.
- "Observations on Otolaryngology in the War." By Harris P. Mosher, M.D. *Transactions of the College of Physicians*, Philadelphia, 1919.
- "Effects of 'Mustard Gas' on the Eyes." By George S. Derby, M.D. *American Journal of the Medical Sciences*, November, 1918.
- "A Case of Double Retinal Separation in Trench Nephritis." By George S. Derby, M.D. *American Journal of Ophthalmology*, March, 1919.
- "Observations on Eye Work with the British Expeditionary Forces in France." By George S. Derby, M.D. *Archives of Ophthalmology*, May, 1919.
- "The Control of Trachoma among the Alien Labor Companies of the British and American Expeditionary Forces." By George S. Derby, M.D. *American Journal of Ophthalmology*, July, 1919.
- "Ocular Manifestations Following Exposure to Various Types of Poisonous Gases." By George S. Derby, M.D. *Transactions of the American Ophthalmological Society*, 1919.
- "An Operation for Bony Occlusion of the Posterior Nares." By Leon E. White, M.D. *Boston Medical & Surgical Journal*, February, 1919.

SCIENTIFIC PAPERS

- "Loss of Sight from Retrobulbar Neuritis due to Posterior Accessory Sinus Disease, with Report of Seventeen Cases." By Leon E. White, M.D. *Boston Medical & Surgical Journal*, October, 1919.
- "Mastoidectomies under Local Anesthesia. (A Brief Report on Nine Mastoidectomies—One Double)." By Charles T. Porter, M.D. *Journal of the American Medical Association*, February, 1919.
- "Report of a Case of Cerebellar Abscess Resulting from Shell Wound of Skull and Showing No Symptoms for Period of Five Months." By Frederick T. Hill, M.D. *Military Surgeon*, September, 1919.
- "Report of a Case of Spontaneous Hemorrhage from the Lateral Sinus Occurring Six Days after Simple Mastoid Operation." By Frederick T. Hill, M.D. *Annals of Otology, Rhinology and Laryngology*, March, 1919.
- "A Study of the Aural Complications of the Recent Influenza Epidemic, with Special Reference to the Clinical Picture." By Frederick T. Hill, M.D. *Laryngoscope*, June, 1919.

Report of Ophthalmic Department

House Operations

CONJUNCTIVA		IRIS	
Conjunctival flap	15	Incision of anterior synechia .	4
Pericorneal neurotomy	1	Incision of posterior synechia	1
Removal of cyst of conjunctiva	1	Iridectomy:	
Removal of tumor of conjunctiva . .	2	for cyst	1
Transplantation of pterygium	7	for glaucoma	56
Total	26	for prolapse	17
		optical	47
		preliminary	1
CORNEA		Iridectomy with conjunctival	
Abscission of corneal scar . .	1	flap	13
Cauterization	9	Iridotaxis	5
Curettage of corneal opacity	1	Iridotomy	9
Infiltration of cornea with India ink	3	Removal of cyst of iris . . .	1
Paracentesis	5	Removal of foreign body . .	3
Removal of foreign body . .	23	Replacement of iris with conjunctival flap	1
Saemisch	9	Total	159
Tattooing of cornea	1		
Total	52		
ENUCLEATIONS FOR		LACRIMAL APPARATUS	
Disorganized globe	27	Agnew's	2
Glaucoma	11	Cauterization of sac	4
Injury	18	Extirpation of tear sac . . .	50
Irido-cyclitis	12	Incision of abscess of sac . .	5
Panophthalmitis	9	Probing of lacrimal duct . .	1
Staphyloma	1	Total	62
Sympathetic ophthalmia . .	1		
Tumor of globe	5		
Enucleation with insertion of glass ball	27		
Total	111		
EVISGERATION		LENS	
Simple	6	Capsulotomy	1
Total	6	Cataract extraction:	
		in capsule	8
		in capsule with buttonhole iridectomy and conjunctival flap and scleral suture	11
		in capsule with iridectomy .	10

REPORT OF THE OPHTHALMIC DEPARTMENT

in capsule with iridectomy and conjunctival flap and scleral suture	26
linear	40
linear with iridectomy . . .	2
simple	5
with buttonhole iridectomy and conjunctival flap and scleral suture	5
with iridectomy	212
with iridectomy and con- junctival flap	2
with iridectomy and con- junctival flap and scleral suture	28
Discission	231
Evulsion of capsule	4
Removal of foreign body . . .	1
Total	586

LIDS

Canthotomy	1
Dissection of sebaceous cyst .	2
Ectropion	3
Entropion	8
Expression of trachoma follicles	1
Green's operation for trichiasis	1
Incision of abscess of lid . . .	2
Incision of chalazion	2
Incision of hordeolum	1
Plastic	27
Plastic with skin graft	1
Ptosis:	
Hess'	15
Removal of cyst of lid	2
Removal of growth of lid	5
Removal of verruca of lid	2
Removal of tarsus	24
Removal of hair follicles for trichiasis	1
Skin graft	1
Symblepharotomy	3
Total	102

MUSCLES

Advancement of:	
external rectus	40
inferior rectus	1
internal rectus	16
superior rectus	1
Tenon's capsule	1
Partial tenotomy of:	
internal rectus	4
Resection of levator palpebral superioris	1
Tenotomy of:	
external rectus	20
inferior rectus	1
internal rectus	57
superior rectus	2
Tucking of:	
external rectus	9
Total	153

ORBIT

Exenteration of orbit	5
Extirpation of cyst of orbit . .	1
Extirpation of orbital fat . . .	2
Insertion of glass ball	1
Plastic	10
Plastic with skin graft	1
Posterior opticociliary neu- rotomy	1
Removal of glass ball	2
Removal of growth from orbit.	1
Total	24

SCLERA

Elliot trephine	28
Puncturing of sclera	13
Puncturing of sclera (electro).	2
Sclerotomy	11
Total	54

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

MISCELLANEOUS

Attempted removal of foreign body from globe	1	Powder deposits removed from face	1
Excision of nodule of tumor for specimen	1	Removal of foreign body from anterior chamber	6
Exenteration of ethmoid for retinitis stellata	1	Removal of foreign body from globe	31
Exenteration of ethmoids for — of specific periostitis . .	1	Removal of foreign body from vitreous	6
Extirpation of cyst of brow .	1	Turbinectomy for retinitis stellata	1
Opening and irrigating of antrum for — of specific periostitis	1	Total	52
Opening of sphenoid for — of specific periostitis	1	Total operations	1,387

REPORT OF THE OPHTHALMIC DEPARTMENT

Out-Patient Operations

Agnew's incision	6	Paracentesis of anterior	
Cauterization of lacrimal		chamber	1
abscess	1	Plastic on lower lid	2
Conjunctival flap	2	Probing of lacrimal duct	29
Curettage of abscess	1	Removal of cyst	9
Curettage of corneal opacities	1	Removal of foreign body of	
Curettage of cyst	1	conjunctiva	102
Curettage of growth of lid	1	Removal of foreign body of	
Dilation of puncta	3	cornea	1,559
Electrolysis	2	Removal of foreign body of lid	111
Enucleation	3	Removal of foreign body of	
Epilation with electrolysis	1	orbit	1
Evisceration	1	Removal of granulation tissue	3
Incision of abscess of brow	1	Removal of growth from	
Incision of abscess of lacrimal		conjunctiva	1
duct	19	Removal of growth from lid	1
Incision of abscess of lid	18	Removal of milium	1
Incision of bleb of conjunctiva	3	Removal of specimen from	
Incision of chalazion	294	conjunctiva	4
Incision of conjunctival ad-		Removal of specimen from	
hesions	1	lid	2
Incision of cyst	3	Removal of verruca	11
Incision of cyst of conjunctiva	1	Saemisch	2
Incision of cyst of inner		Slitting of lower canaliculus	1
canthus	1	Snelling's suture	4
Incision of furuncle of lid	1	Suturing of brow	1
Incision of furuncle of left		Suturing of conjunctiva	4
cheek	1	Suturing of lid	4
Incision of granulation tissue	2	Tenotomy of internal rectus	2
Incision of hordeolum	59	Transplantation of pterygium	35
Incision of inner canthus	1		
Incision of lacrimal sac	1		
Incision of nodule of conjunc-			
tiva	1		
		Total	2,455

Report of Aural Department

House Operations

AURICLE

Incision of auricle	1
Incision of subauricular abscess	2
Plastic	5
Removal of exostosis of canal	1
Total	9

MEATUS

Incision of abscess of canal	14
Plastic	3
Removal of foreign body	3
Total	20

TYMPANUM

Incision of membrana tympani	40
Ossiculectomy	16
Removal of polypus	37
Total	93

MASTOID REGION

Decompression	10
Exenteration of labyrinth	2
Exploration for brain abscess	4
Incision of Bezold's abscess	6
Incision of fistula	1
Incision of postaural abscess	31
Plastic for closure of postaural fistula	1
Radical mastoid	38
Radical mastoid with ligation of jugular	3
Radical mastoid with primary skin graft	16
Secondary mastoid	8
Simple mastoid	294
Simple mastoid with epidural abscess	7
Simple mastoid with ligation of jugular	21
Simple mastoid with postaural	1
Skin graft	17
Total	460

REPORT OF THE AURAL DEPARTMENT

NOSE, THROAT, PHARYNX, AND LARYNX

Adhesions about eustachian tube broken up	1
Cauterization of septal artery	2
Dissection of tumor from tonsil	1
Excision of postaural gland	1
Exenteration of antrum	1
Exenteration of ethmoids	100
Incision of abscess of nose	3
Incision of peritonsillar abscess	4
Incision of retropharyngeal abscess	2
Intranasal frontal sinus	10
Killian operation	1
Lothrop operation (frontal)	1
Opening of sphenoids	32
Packing of nose for postoperative hemorrhage	1
Plastic on nose	6
Plastic on palate	1
Puncturing and irrigating of antrum	66
Radical antrum	23
Radical frontal	12
Reduction of fracture of nasal bones	1
Removal of adenoids	155
Removal of fibroma from nasopharynx	3
Removal of growth from larynx	1
Removal of growth from pharynx	1
Removal of growth from septum	1
Removal of papilloma from larynx	2
Removal of polypoid tumor from nasopharynx	1
Removal of polypus from nose	11
Removal of recurrent frontal sarcoma	1
Removal of spur from septum	1
Removal of tonsils	124
Removal of tonsils and adenoids	1,319
Removal of tumor from larynx	2
Submucous resection of septum	263
Suspension of patient for examination of larynx	1
Thyroidotomy	1
Tracheotomy	3
Turbinectomy	23
Turbinotomy	35
Tying of carotid artery	1
Total	2,218

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

MISCELLANEOUS

Administration of salvarsan	1
Dilation of esophageal stricture	2
Examination of esophagus	1
Exenteration of orbit	1
Extraction of foreign body from esophagus	1
Extraction of teeth	3
Incision of abscess of arm	4
Incision of abscess of face	1
Incision of abscess of hip	1
Incision of abscess of leg	2
Incision of abscess of neck	1
Incision of abscess of scalp	1
Incision of axillary abscess	1
Incision of cervical abscess	1
Incision of cervical gland	5
Incision of parotid abscess	2
Incision of postaural gland	2
Removal of dentigenous cyst	1
Removal of growth over eye	1
Total	32
Total operations	2,832

REPORT OF THE AURAL DEPARTMENT

Out-Patient Operations

Cauterization of turbinate	3	Paracentesis of membrana	
Clipping of uvula	1	tympani	908
Curettage of ethmoid	1	Puncturing of blebs	5
Curettage of sebaceous cyst	1	Reduction of fracture of nasal	
Cutting of nasal synechia	2	bone	4
Cyst of auricle aspirated	1	Removal of cartilage from nose	1
Excision of cartilage of pinna	1	Removal of foreign body from	
Hematoma aspirated	1	base of tongue	1
Incision of abscess of canal	217	Removal of foreign body from	
Incision of abscess of lobule	1	ear	42
Incision of abscess of neck	1	Removal of foreign body from	
Incision of abscess of peri-		nose	6
chondra	1	Removal of foreign body from	
Incision of abscess of sub-		throat	11
occipital node	1	Removal of foreign body from	
Incision of cyst of lobule	4	tonsil	1
Incision of furuncle of nose	1	Removal of polyp from ear	4
Incision of furuncle of vestibule	1	Removal of polyp from nose	48
Incision of hematoma of sep-		Removal of tooth	1
tum	1	Resetting of fracture of nasal	
Incision of peritonsillar abscess	11	bone	4
Incision of postauricular wen	1	Submucous resection of sep-	
Incision of preauricular cyst	1	tum	180
Incision of sebaceous cyst	2	Turbinotomy	16
Opening of antrum	87	Total	1,573

Explanation of Tables of Medical and Surgical Statistics

The following table is a record of diseases treated in both House and Out-Patient Departments, listed according to the Classification, which contains 39 "Sections." Diseases are numbered, first, according to section; second, according to the number of disease in section; and third, according to the International Classification. A great many serial numbers are omitted in all sections except 17, which means that no case of the disease corresponding to that number has been treated in this hospital during the past year. This table does not represent the number of patients treated, but the number of diseases that have been treated in either Service of the Hospital.

Table of Diseases

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE							OUT-PATIENT							
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL	
		M	D	F	D	M	D	F	D		M	F	M	F		
SECTION I																
SPECIFIC INFECTIOUS DISEASES																
GENERAL DISEASES																
1-9-6	Morbilli (Measles)					1				1						
1-10-7	Scarlatina(Scarlet Fever)	1		1		1		1		4						
1-11-8	Pertussis (Whooping Cough).....			1				1		2						
1-12-9	Diphtheria (including Croup).....													3		3
1-15-9	Postdiphtheritic Paralysis										1					1
1-17-10	Influenza.					1		9		10			1			1
1-21-92	Lobar pneumonia.....			1		1				2						
1-22-91	Lobular (Broncho) Pneumonia					2				2			1			1
1-31-18	Erysipelas.	1				3		5		9				1		1
1-37-19	Mumps (Epidemic Parotitis).....												6	5		11
1-44-19	Varicella (Chicken Pox) .	3		1		1		1		6				1		1
1-50-20	Purulent infection, general Septicemia and Pyemia, Streptococcus and Staphylococcus infections					3		4	4	7						
1-59-75	Trachoma	29		21						50	71	27				98
1-74-25	Otomycosis.													2		2
1-78-28	Tuberculosis of Lungs.			1		1				2						
	Tuberculosis of Larynx												3	1		4
1-80-30	Tuberculous Meningitis										1					1
1-89-34	Tuberculosis of Lymph Nodes.....	2								2			1			1
1-96-34	Tuberculosis of the Eye .	3		3						6	1					1
1-97-34	Tuberculosis of the Ear					1				1			1			1
1-100-37	Syphilis	1				2		1		4			2	1		3
1-102-37	Nervous System.												2			2
1-103-37	Nose and Throat.					1				1			2			2
1-106-37	Ear and Eye.	25		32						57	5	6	3	1		15
1-108-37	Injection of "606"					1				1						
1-113-37	Other Lesions, Gummata, etc.....	2								2						
1-114-37	Syphilis (doubtful diagnosis)	2								2			2	2		4
1-123-38	Vaginitis, gonorrheal.			3						3						

TABLE OF DISEASES

TABLES OF DISEASES COMPILED FROM RECORDS	HOUSE									OUT-PATIENT				
	OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL
	M	D	F	D	M	D	F	D		M	F	M	F	
1-126-38 Conjunctivitis, Gonorrheal, and other gonorrheal conditions of the eye	9		6						15	2	1			3
1-150-145 Granuloma (unspecified)											1			1
SECTION II														
DISEASES DUE TO ANIMAL PARASITES														
2-16-107 Other Animal Parasites										1	1			2
2-22a-145 Pediculosis													5	5
SECTION III														
DISEASES OF METABOLISM														
3-1-50 Diabetes Mellitus			1		2				3					
3-3-50 Diabetic Iritis. Diabetic Retinitis										3				3
SECTION IV														
CONDITIONS PECULIAR TO INFANCY														
4-25-38 Ophthalmia Neonatorum	33		52						85	51	37			88
4-26-75 Non-gonorrheal	23		29						52	49	42			91
4-29-151 Marasmus (Infantile Atrophy)	1	1					1	1	2					
4-30-151 Malnutrition	2	2	1	1	1	1			4					
SECTION V														
DISEASES DUE TO PHYSICAL AGENTS														
5-1-167 Burn	2								2			1		1
5-8-165 Insect Sting											1	1		2
SECTION VI														
POISONINGS, INTOXICATIONS														
6-1-56 Alcoholism												1		1
6-2-56 Delirium Tremens	1								1					
6-8-165 Acute Poisonings														
Atropin			1						1					
SECTION VII														
CARCINOMA, SARCOMA, AND OTHER MALIGNANT GROWTHS, AND BENIGN TUMORS														
7-2-39a Carcinoma														
Tonsil												1		1

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE								OUT-PATIENT						
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL	
		M	D	F	D	M	D	F	D		M	F	M	F		
7-5-39g	Mixed Malignant Growth															
	Mouth.....													1		1
7-7-40a	Carcinoma															
	Esophagus.....							1		1						
7-10-40f	Sarcoma															
	Pharynx.....					1				1						
7-11-40g	Mixed Malignant Growth															
	Nasopharynx.....					1				1						
7-44-44a	Carcinoma															
	Auricle.....					1				1			4			4
	Lid.....	1		2						3	6	5				11
	Nose.....												1			1
	Outer canthus.....											1				1
	Temporal bone.....													1		1
7-46-44f	Sarcoma															
	Lid.....			1						1						
	Skin.....	1								1						
7-49-45a	Carcinoma															
	Antrum.....					3				3						
	Choroid.....			1						1						
	Ethmoid.....					1				1						
	Eye (unclassified).....										1					1
	Larynx.....					1				1						
	Orbit.....			1						1	1					1
7-52-45f	Sarcoma															
	Eye (unclassified).....	1								1		1				1
	Frontal sinus.....							3		3						
	Intraocular.....			1						1						
	Nose.....							1		1						
	Orbit.....	1	1					1		2						
7-54-45g	Mixed Malignant Growth															
	Auricle.....												1	1		2
	Larynx.....					1				1			1			1
	Septum.....													1		1
7-55-46	Non-malignant Tumors															
	Auricle.....												1			1
	Canal.....												1	1		2
	Conjunctiva.....	1		1						2	1					1
	Cornea.....											1				1
	Eye (unclassified).....											5				5
	Intraocular.....											1				1
	Larynx.....					1				1			1			1
	Lid.....	1		1		1				3	1	1				2
	Nasal sinuses.....														1	1
	Neck.....														1	1
	Orbit.....			2						2		1			1	2
7-62-46	Angioma															
	Inner canthus.....											1				1

TABLE OF DISEASES

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE									OUT-PATIENT				
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL
											M	F	M	F	
		M	D	F	D	M	D	F	D		M	F	M	F	
7-65-46	Cyst. Chalazion														
	Auricle												2		2
	Brow	1								1					
	Canal												2	1	3
	Conjunctiva			1						1					
	Dentigerous					1				1					
	Iris	1		1						2					
	Lid	1		4						5	271	194			465
	Lobule												5		5
	Orbit	1		1						2					
	Postauricular												3	2	5
	Sebaceous												4	1	5
7-65b-88	Cystic Goitre													2	2
7-69-46	Epithelioma (benign)														
	Auricle					1				1			3		3
	Eye (unclassified)										1				1
	Inner canthus			1						1					
	Mastoid					1				1					
	Orbit	2								2					
7-70-46	Fibroma														
	Auricle													1	1
	Nasopharynx					2				2					
	Pharynx					1				1			4		4
	Tonsil							2		2					
7-79-46	Glioma														
	Eye (unclassified)	4								4	1				1
7-80-46	Papilloma														
	Eye (unclassified)										2				2
	Larynx					1				1			2		2
	Palate													1	1
7-81-46	Polypus														
	Ear					23		13		36			51	37	88
	Larynx					1				1					
	Nasopharynx													1	1
	Nose					6		3		9			42	35	77
	Vocal cord												1		1
7-83-46	Wen														
	Brow											1			1
	Lid										2				2
	Postauricular												1		1
7-84-46	Chondroma														
	Frontal bone													1	1
7-86-46	Osteoma														
	Frontal bone													1	1
7-91-46	Cholesteatoma														
	Ear													1	1

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE									OUT-PATIENT				
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL
		M	D	F	D	M	D	F	D		M	F	M	F	
SECTION VIII															
CONGENITAL MALFORMATIONS															
8-2-150	Albinism										3	4			7
8-6-150	Branchial cyst												2	1	3
8-8-150	Cleft palate												4		4
8-9-150	Harelip												1		1
8-34-150	Hydrocephalus	1								1					
8-48-150	Unclassified Congenital Malformations													1	1
8-49-150	Anomalies of the Eye			3						3		2			2
8-51-150	of the Cornea	2								2	1	1			2
8-52-150	of the Eyeball			2						2		2			2
8-53-150	of the Iris										4	1			5
8-54-150	of the Lens			2						2					
8-55-150	of the Lids	5		1						6	2	1			3
8-56-150	of the Optic Nerve										2	1			3
8-62-150	Anomalies of the Ear					2				2			3	1	4
8-65-150	Microtia					1				1					
SECTION IX															
GENERAL INJURIES AND DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUES															
9-1	Abrasions														
	Auricle												1		1
	Canal													1	1
9-2-144	Abscess														
	Jaw												1		1
	Nose			1						1		1	1	1	3
	Periosteum												1		1
	Scalp			1						1					
	Vestibule												1		1
9-3-144	Abscess of Face							1		1	1		1		2
9-5-144	Cervical Abscess					1				1					
9-9-144	Axillary Abscess							1		1					
9-10-144	Abscess of Arm					4				4					
9-11-144	Abscess of Leg					3				3					
9-16-143	Furunculosis										3	2	2		7
9-20	Blisters												2	1	3
9-22	Contusions														
	Leg							1		1					
	Temporal muscles												1		1
	Thigh							1		1					
9-31-186	Foreign Body														
	Canal					2		1		3					
	Ear												37	36	73
	Esophagus												1	1	2
	Throat													1	1
	Tongue												1		1
	Tonsil													1	1

TABLE OF DISEASES

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE								OUT-PATIENT						
		OPHTHALMIC				AURAL				Total	OPHTHALMIC		AURAL		Total	
		M	D	F	D	M	D	F	D		M	F	M	F		
9-50-144	Other Localized Sepsis "Cellulitis"															
	Lid.	1								1						
	Lip.												1			1
	Neck.													1		1
9-51	Hematoma															
	Canal.												1			1
	Cheek.												1			1
	Nose.												3			3
	Septum.					1				1			1			1
9-54-145	Ulcer															
	Auricle.												1			1
	Leg.							1		1						
	Over mastoid.							1		1						
9-55	Wounds															
	Cheek.										1					1
SECTION X																
SPECIAL SKIN DISEASES																
10-27-145	Cicatrix.													1		1
10-33-145	Dermatitis (unclassified)										1	2	2			5
10-46-145	Dermatitis Venenata										2					2
10-50-145	Eczema.			2				2		4	13	19	96	119		247
10-69-145	Herpes Simplex.					1				1						
10-77-145	Impetigo.												1			1
10-78-145	Impetigo contagiosa			1				1		2			3	2		5
10-85-145	Keratosi (unclassified)													1		1
10-109-150	Nevus (unclassified)										1					1
10-115-145	Pemphigus.										1					1
10-126-145	Pruritus.												1	2		3
10-140-145	Verruca of Lid.	1								1	11	15				26
10-143-145	Xanthoma.										4	2				6
10-145-145	Unclassified Diseases of the Skin.										1					1
SECTION XI																
DISEASES OF THE CIRCULATORY SYSTEM																
11-3-81	Arteriosclerosis (gen- eral)										4					4
11-8-81	Arteriosclerosis of Reti- nal Vessels.										2					2
11-15-82	Embolism and Throm- bosis.										2	2				4
11-16-81	Unclassified Diseases of Arteries			1						1	1					1

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE							OUT-PATIENT							
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL	
		M	D	F	D	M	D	F	D		M	F	M	F		
11-24-83	Unclassified Diseases of Veins										3	2			5	
11-44-79	Mitral Insufficiency							1		1						
11-53-79	Acute Dilatation of Heart					1	1			1						
11-61-79	Chronic Myocarditis							1		1						
SECTION XII																
DISEASES OF THE LYMPHATIC SYSTEM																
12-1-84	Lymph Adenitis, acute					7		5		12	1	1	32	39	73	
12-2-84	Lymph Adenitis, chronic													3	3	
12-4-84	Lymphangiectasis										2				2	
12-13-84	Status Lymphaticus	1	1							1						
SECTION XIII																
DISEASES OF THE BLOOD																
13-2-54	Anemia, Secondary													3	3	
SECTION XIV																
DISEASES OF THE DUCTLESS GLANDS																
14-18-51	Exophthalmic Goiter											2			2	
14-19-88	Dysthyroidism													1	1	
14-26-55	Acromegaly												1		1	
SECTION XV																
DISEASES OF THE NERVOUS SYSTEM																
15-15-72	Chorea													1	1	
15-18-61	Meningitis					11	10	6	5	17						
15-19-74	Choked Disc					2				2	11	2			13	
15-20-66	Facial Paralysis					4		5		9	9	9			18	
15-21-145	Herpes Zoster										4	1			5	
15-22-73	Neuritis (unspecified)												1		1	
15-26-66	Paralysis of Individual Nerves												21	17	38	
15-34-63	Multiple Sclerosis													1	1	
15-40-60	Abscess of Brain					2				2				1	1	
15-41-74	Aphasia										2				2	
15-48-66	Hemiplegia										3		1		4	
15-62-154	Psychoses, Senile States			1				1		2						

TABLE OF DISEASES

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE									OUT-PATIENT					
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL	
		M	D	F	D	M	D	F	D		M	F	M	F		
15-86-73	Neuralgia, Supraorbital.	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1
15-93-73	Other Forms of Neuralgia	..	..	..	..	..	..	..	..	..	..	1	2	5	..	8
15-98-74	Psychoneuroses (unspecified)	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
15-101-73	Hysteroid Type	..	..	..	..	..	..	..	..	..	2	..	..	..	..	2
15-102-74	Neurasthenic Type	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
SECTION XVI																
DISEASES OF BONES, JOINTS, MUS- CLES, TENDONS, AND FASCIA																
16-2-146	Exostosis															
	Canal	..	..	..	..	..	..	..	..	..	..	..	2	1	..	3
	Orbit	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1
16-5-146	Necrosis															
	Ear (unclassified)	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1
	Mastoid	..	..	..	..	..	..	..	..	..	..	..	2	..	..	2
16-7-146	Osteomyelitis															
	Nose	..	..	..	..	2	..	..	..	2	..	..	1	..	..	1
	Ossicles	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
16-13	Fracture															
	Mastoid	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
	Nose	..	..	..	..	..	..	..	..	..	..	..	14	3	..	17
	Skull	..	..	..	..	..	..	..	..	..	1	..	7	1	..	9
	Thyroid Cartilage	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
16-20-147	Arthritis and Synovitis	..	..	..	..	1	..	..	..	1	..	..	1	4	..	5
16-21-147	Acute	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..
16-28	Dislocation															
	Mandible	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..
SECTION XVII																
DISEASES AND INJURIES OF THE EYE AND THE EAR																
A. General																
17-1-75	Errors of Refraction	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1
17-2-75	Astigmatism	..	..	..	..	..	..	..	..	..	1364	2137	..	..	..	3501
17-3-75	Hypermetropia	..	..	1	..	..	..	..	..	1	1539	2523	..	..	..	4062
17-4-75	Myopia	1	..	..	..	..	..	..	..	1	622	894	..	..	..	1516
17-5-75	Presbyopia	..	..	..	..	..	..	..	..	..	816	1356	..	..	..	2172
17-6-75	Glaucoma	32	..	36	..	..	..	..	..	68	16	28	..	..	..	44
17-6a-75	Absolute	1	..	4	..	..	..	..	..	5	2	5	..	..	..	7
17-7-75	Acute	10	..	15	..	..	..	..	..	25	4	5	..	..	..	9
17-8-75	Chronic	22	..	15	..	..	..	..	..	37	28	13	..	..	..	41
17-9-75	Congenital (Hydroph- thalmos)	5	..	2	..	..	..	..	..	7	2	..	..	..	..	2
17-10-75	Hemorrhagic	1	..	..	..	..	..	..	..	1	1	1	..	..	..	2
17-11-75	Secondary	10	..	5	..	..	..	..	..	15	4	4	..	..	..	8

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE								OUT-PATIENT						
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL	
		M	D	F	D	M	D	F	D		M	F	M	F		
17-12-75	Simplex.....										9	2				11
17-15-75	Unclassified Diseases of the Eye.....										2					2
B. Lids																
17-16-75	Abscess.....	2		3						5	26	16				42
17-18-75	Blepharitis (unclassified)			2						2	138	118		1		257
17-19-75	Squamous.....										38	29				67
17-20-75	Ulcerative.....			2						2	96	127				223
17-21a-75	Blepharo Spasm.....										2	3				5
17-22a-75	Burn of Lids.....	6								6	4					4
17-22-75	Ecchymosis.....	1		1						2	13	2				15
17-23-75	Ectropion (unclassified)	14		4						18	17	3				20
17-24-75	Cicatricial.....										2	1				3
17-26-75	Senile.....	1								1	3					3
17-28-75	Edema.....	1								1	17	11				28
17-29-75	Emphysema.....										1					1
17-30-75	Entropion (unclassified)	4		3						7	2	3				5
17-34-75	Hordeolum.....	1		2						3	205	214	1			420
17-35-75	External.....											1				1
17-36a-75	Lagophthalmus.....										1	3				4
17-37-75	Trichiasis.....	2		6						8	20	12				32
17-38-75	Wounds and Injuries....	9								9	11	3				14
17-38b-75	Foreign Body	1								1	82	27				109
C. Lacrimal Apparatus																
17-41-75	Dacryocystitis (unclassified).....	3		12						15	14	27				41
17-42-75	Acute.....	1		7						8	14	29				43
17-43-75	Chronic.....	11		15		2				28	19	28				47
17-44a-75	Epiphora.....										64	68				132
17-47-75	Mucocele.....	2		21						23	17	28				45
17-48-75	Occlusion of Puncta.....										12	6				18
17-49-75	Stenosis of Naso-Lacrimal Duct.....	2								2	14	14				28
D. Conjunctiva																
17-50a-75	Chemosis.....										6	1				7
17-51-75	Conjunctivitis (unclassified).....			4						4	168	153				321
17-52-75	Acute.....	17		11						28	851	457				1308
17-53-75	Chronic.....										397	322				719
17-54-75	Follicular.....										73	25				98
17-58-75	Phlyctenular.....	3		10						13	82	104				186
17-59-75	Subacute (Diplobacillus).....										283	106				389
17-59b-75	Traumatic.....	1								1	66	7				73
17-60-75	Vernal			2						2	16	2				18
17-61-187	Ecchymosis.....										3	1				4

TABLE OF DISEASES

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE								OUT-PATIENT					
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL
		M	D	F	D	M	D	F	D		M	F	M	F	
17-62-186	Foreign Body										77	25			102
17-63-84	Lymphoid Hypertrophy .	2								2	9	3			12
17-64-170	Powder in Conjunctiva .											1			1
17-65-75	Pterygium	5		3						8	60	24			84
17-65a-75	Pinguicula										9	5			14
17-66-75	Symblepharon	4								4	4				4
17-67-	Wounds and Injuries . . .	3		1						4	23	2			25
17-67a-75	Subconjunctival Hemor- rhage	1								1	66	26			92
17-67b-75	Burn of Conjunctiva . . .	28		1						29	44	6			50
E. Cornea															
17-68a-75	Abscess of Cornea	1								1					
17-68-75	Conical Cornea			8						8	2	3			5
17-69-75	Foreign Body	20								20	1433	125			1558
17-70-	Injuries	70		15						85	112	48			160
17-70a-75	Descimetitis	28		2						30	4	3			7
17-70b-75	Burn of Cornea										52	1			53
17-70c-75	Descemetocoele	2		1						3					
17-71-75	Keratitis (unclassified) .	6		6						12	37	22			59
17-72-75	Bullous	2		1						3	3				3
17-73-75	Dendritic	1		1						2	12	2			14
17-74-75	Fascicular										4				4
17-76-75	Interstitial	5								5	41	55			96
17-78-75	Marginal	3		1						4	30	13			43
17-79-75	Neuropathic	8		2						10	31	14			45
17-81-75	Phlyctenular	37		57						94	93	112			205
17-83-75	Ribbon	1								1	2				2
17-85-75	Serpiginous	1		1						2	2				2
17-85a-75	Superficial	2								2	6	4			10
17-86	Traumatic	2		1						3	5	2			7
17-87-75	Ulcerative	32		20						52	217	105			322
17-88-75	with Hypopyon	36		6						42	19	10			29
17-89-75	Keratoglobus	2								2	1	4			5
17-90-75	Keratomalacia	1								1					
17-91-75	Leucoma	7		3						10	29	12			41
17-92-75	Adherent	3								3	9	6			15
17-93-75	Inflamed	2		3						5	7	7			14
17-94-75	Macula	2		1						3	81	45			126
17-95-75	Nebula	5								5	4	42			46
17-95a-75	Perforation, non-trau- matic	5		1						6					
17-97	Rupture			1						1		1			1
17-97a-75	Siderosis	1								1	1				1
17-98-75	Staphyloma	1		3						4	7	11			18
17-99	Wound, perforating, with Foreign Body	1								1	6				6
17-101-	in Globe	4								4					
17-106-	in Vitreous	1								1					

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE							OUT-PATIENT							
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL	
		M	D	F	D	M	D	F	D		M	F	M	F		
F. Sclera																
17-107-75	Episcleritis										15	14				29
17-107a-75	Foreign Body										8	2				10
17-108	Rupture	1		1						2	1	2				3
17-109-75	Scleritis			2						2	9	7				16
17-110-75	Sclero-keratitis										3	1				4
17-111-75	Staphyloma	1		2						3		1				1
17-112-	Wound, perforating, with Foreign Body	1								1	3					3
17-114-	in Globe	1								1						
17-119a-	Injuries of Sclera	8		1						9		2				2
F. (a) Anterior Chamber																
17-119b-	Hyphemia	2		1						3	13	1				14
17-119c	Foreign Body	6								6	7					7
G. Lens																
17-120a-75	Aphakia	1								1	3	9				12
17-120b-75	Aplasia										1					1
17-120-75	Cataract (unclassified)	56		59						115	32	38				70
17-121-75	Capsular	59		40						99	4	5				9
17-122-75	Congenital	36		38						74	14	11				25
17-124-75	Complicated	12		7						19	1					1
17-127-75	Cortical, Posterior, Polar	1								1						
17-129-75	Anterior										3	4				7
17-130-75	Posterior										4	5				9
17-131-75	Presenile	3								3	1	1				2
17-132-75	Senile	6								6	3	3				6
17-133-75	Incipient										103	101				204
17-134-75	Immature	46		53						99	103	79				182
17-135-75	Mature	92		68						160	87	56				143
17-136-75	Hypermature	1		3						4		4				4
17-137	Traumatic	61		2						63	34	5				39
17-138	Dislocation	6		3						9	9	6				15
17-138a	Foreign Body	1								1	2					2
H. Uveal Tract																
17-140-75	Uveitis	19		13						32	17	17				34
17-140a-75	Aniridia	1		1						2	1	1				2
Iris																
17-141a-75	Coloboma										5	1				6
17-142-75	Excluded Pupils (Iris Bombé)			1						1	2					2
17-142a-75	Foreign Body	3								3	1	2				3
17-143-75	Iridodialysis	1								1	4					4
17-144-75	Iridodonesis										2					2

TABLE OF DISEASES

TABLES OF DISEASES COMPILED FROM RECORDS	HOUSE									OUT-PATIENT				
	OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL
	M	D	F	D	M	D	F	D		M	F	M	F	
17-145-75 Iritis (unclassified)	27	..	9	..	..	..	..	..	36	139	55	..	..	194
17-145b-75 with Hypopyon	1	..	..	..	..	..	..	..	1	..	..	..	..	..
17-148 Traumatic	4	..	1	..	..	..	..	..	5	..	..	..	..	..
17-149-75 Occluded Pupil	23	..	19	..	..	..	..	..	42	7	3	..	..	10
17-149a-75 Prolapse of Iris	15	..	6	..	..	..	..	..	21	3	..	..	..	3
17-149b-75 Perforation of Iris . . . . .	..	..	..	..	..	..	..	..	..	1	..	..	..	1
17-149c-75 Traumatic Mydriasis . . . . .	..	..	..	..	..	..	..	..	..	..	3	..	..	3
17-149d-75 Artificial Mydriasis . . . . .	..	..	..	..	..	..	..	..	..	5	1	..	..	6
17-149e-75 Incarceration of Iris	3	..	2	..	..	..	..	..	5	1	..	..	..	1
17-149f-75 Postoperative Misplaced Pupil . . . . .	..	..	..	..	..	..	..	..	..	..	1	..	..	1
Ciliary Body														
17-150-75 Cyclitis	8	..	1	..	..	..	..	..	9	2	..	..	..	2
17-151-75 Iridocyclitis	9	..	4	..	..	..	..	..	13	4	3	..	..	7
17-158-75 Wound, perforating, with Foreign Body in Retina . . . . .	..	..	..	..	..	..	..	..	..	..	1	..	..	1
17-159a-75 Injuries	2	..	..	..	..	..	..	..	2	..	..	..	..	..
Choroid														
17-160-75 Atrophy . . . . .	..	..	..	..	..	..	..	..	..	2	..	..	..	2
17-161-75 Choroiditis . . . . .	..	..	1	..	..	..	..	..	1	11	11	..	..	22
17-163-75 Central	2	..	..	..	..	..	..	..	2	6	1	..	..	7
17-165-75 Disseminate . . . . .	..	..	..	..	..	..	..	..	..	1	1	..	..	2
17-166a-75 Chorio-Retinitis . . . . .	..	..	2	..	..	..	..	..	2	18	18	..	..	36
17-167 Rupture, traumatic . . . . .	..	..	..	..	..	..	..	..	..	3	..	..	..	3
17-167b Injuries	1	..	..	..	..	..	..	..	1	..	..	..	..	..
I. Retina														
17-168-75 Amaurosis . . . . .	..	..	..	..	..	..	..	..	..	1	..	..	..	1
17-172-75 Hemianopsia	2	..	..	..	..	..	..	..	2	..	1	..	..	1
17-173-75 Hemorrhage	1	..	..	..	..	..	..	..	1	3	1	..	..	4
17-174-75 Neuroretinitis . . . . .	..	..	..	..	..	..	..	..	..	12	2	..	..	14
17-176-75 Retinitis (unclassified)	1	..	..	..	..	..	..	..	1	5	2	..	..	7
17-177-75 Albuminuric . . . . .	..	..	..	..	..	..	..	..	..	10	6	..	..	16
17-179-75 Hemorrhagic . . . . .	..	..	..	..	..	..	..	..	..	15	6	..	..	21
17-181-75 Pigmentosa . . . . .	..	..	..	..	..	..	..	..	..	10	6	..	..	16
17-182-75 Proliferans . . . . .	..	..	..	..	..	..	..	..	..	2	..	..	..	2
17-182a-75 Stellata	1	..	..	..	..	..	..	..	1	..	..	..	..	..
17-183-75 Separation of Retina	8	..	5	..	..	..	..	..	13	29	11	..	..	40
17-184b-75 Injury to Retina	1	..	..	..	..	..	..	..	1	..	..	..	..	..
J. Vitreous														
17-186-75 Hemorrhage . . . . .	..	..	..	..	..	..	..	..	..	1	..	..	..	1
17-188-75 Opacity	2	..	..	..	..	..	..	..	2	76	55	..	..	131
17-189-75 Synchysis Scintillans . . . . .	..	..	..	..	..	..	..	..	..	1	2	..	..	3

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

TABLES OF DISEASES COMPILED FROM RECORDS	HOUSE									OUT-PATIENT				
	OPHTHALMIC				AURAL				Total	OPHTHALMIC		AURAL		Total
	M	D	F	D	M	D	F	D		M	F	M	F	
17-189a-75 Foreign Body.....	7								7					
17-189b-75 Hyalitis.....										1	2			3
K. Optic Nerve														
17-190-75 Atrophy (unclassified) ..	5		2						7	60	24		1	85
17-190a-75 Amblyopia.....										3				3
17-193-75 Neuritis, Optic.....	2								2	11	4			15
17-194-75 Neuritis, Retrobulbar (unclassified).....	1		2		1		2		6	6	2		1	9
17-195-75 Acute.....										1	1			2
17-196-75 Chronic, Toxic Am- blyopia.....	2		2						4	23				23
17-196b-75 Sympathetic Ophthal- mia.....	8								8	1				1
L. Eyeball														
17-197-75 Contracted Orbit.....	9		2						11	1				1
17-197a-75 Anophthalmos.....	1								1					
17-198-75 Disorganized Globe.....	36		6						42	29	11			40
17-198a-75 Enlarged Orbit.....	2								2					
17-200-75 Exophthalmos.....			2						2	8	7			15
17-202- Foreign Body.....	30								30	31	6			37
17-202a Ophthalmitis.....										1				1
17-203-75 Panophthalmitis.....	5				2				7	3	1			4
17-203a-75 Ruptured Globe.....	4		2						6	3	1			4
17-203b-75 Siderosis bulbi.....	2								2					
17-204 Wounds and Injuries....	34		3						37	42	8			50
17-204b-75 Prothesis.....	1		1						2	7	1			8
M. Orbit														
17-206-144 Cellulitis.....	1								1	1	1			2
17-211a Foreign Body.....	8								8					
17-211b Wounds and Injuries....	1								1					
N. Disturbances of Motion														
17-212-75 Nystagmus.....										34	12			46
Paralysis														
17-214-66 3d Nerve (unclassified)	7		3						10	30	20			50
17-215-66 Ophthalmoplegia....	2								2	1	4			5
17-216-66 4th Nerve.....										1				1
17-217-66 5th Nerve.....										1				1
17-218-66 6th Nerve.....	1								1	6	3	1		10
17-219-66 7th Nerve.....										1	1			2
17-220-75 Strabismus (unclassified)	10		6						16					
17-221-75 Alternating.....										2	9			11
17-222-75 Convergent.....	1		2						3	2				2
17-223-75 Divergent.....			1						1	1				1

TABLE OF DISEASES

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE							OUT-PATIENT						
		OPHTHALMIC				AURAL				Total	OPHTHALMIC		AURAL		Total
		M	D	F	D	M	D	F	D		M	F	M	F	
17-224-75	Convergent.....	21	..	29	..	.....	.....	.....	.....	50	185	198	....	....	383
17-225-75	Divergent.....	10	..	10	..	.....	.....	.....	.....	20	57	62	....	....	119
17-226-75	Vertical.....	1	..	1	..	.....	.....	.....	.....	2	.....	.....	.....	.....	.....
17-227-75	Heterophoria.....	.....	.....	1	..	.....	.....	.....	.....	1	.....	1	.....	.....	1
Diseases of the Ear															
A. General															
Deafness															
17-228-76	Acquired.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	4	8
17-229-150	Congenital.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	3	5
17-232-76	Unclassified Diseases of the Ear.....	.....	.....	.....	.....	.....	.....	2	..	2	.....	.....	1	1	2
B. Auricle															
17-233-76	Abscess.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	2
17-234-76	Preauricular.....	.....	.....	.....	.....	2	..	1	..	3	.....	.....	1	3	4
17-235-76	Postauricular.....	.....	.....	.....	.....	5	..	1	..	6	.....	.....	16	25	41
17-236-76	Hematoma (Othema- toma).....	.....	.....	.....	.....	1	..	.....	.....	1	.....	.....	7	....	7
17-237-76	Herpes zoster.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
17-238-76	Perichondritis.....	.....	.....	.....	.....	.....	.....	1	..	1	.....	.....	4	4	8
17-239-	Wounds and Injuries...	.....	.....	.....	.....	1	..	.....	.....	1	.....	.....	2	1	3
C. External Auditory Canal															
17-240-76	Atresia.....	.....	.....	.....	.....	.....	.....	2	..	2	.....	.....	2	2	4
17-241-76	Cerumen.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1902	917	2819
17-242-76	Exostosis of osseous meatus.....	.....	.....	.....	.....	1	..	.....	.....	1	.....	.....	1	....	1
17-243-76	Otitis externa.....	.....	.....	.....	.....	5	..	7	..	12	.....	.....	93	70	163
17-244-76	Circumscribed, acute.....	.....	.....	.....	.....	4	..	8	..	12	.....	.....	278	232	510
17-245-76	Diffuse, acute.....	.....	.....	.....	.....	2	..	5	..	7	.....	.....	32	34	66
17-245a-76	Injury.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	1	3
D. Eustachian Tube															
17-246-76	Salpingitis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	1	5
E. Middle Ear and Mastoid															
17-250-	Injury to Membrana Tympani.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	1	5
17-251	Rupture.....	.....	.....	.....	.....	1	..	.....	.....	1	.....	.....	8	3	11
17-251a-76	Mastoiditis, unclassified.....	.....	.....	.....	.....	4	..	4	..	8	.....	.....	26	21	47
17-252-76	Acute.....	.....	.....	.....	.....	46	..	42	..	88	.....	.....	51	23	74
17-252a-76	Chronic.....	.....	.....	.....	.....	17	..	22	..	39	.....	.....	11	19	30
17-253-76	Myringitis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	3	8
17-254-76	Otitis media, acute and chronic (unclassified).....	.....	.....	.....	.....	8	..	9	..	17	.....	.....	709	477	1186
17-254a-76	with Mastoiditis.....	.....	.....	.....	.....	8	..	6	..	14	.....	.....	25	22	47
17-257-76	Non-suppurative, Adhesive.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15	28	43

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE							OUT-PATIENT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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TABLE OF DISEASES

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE							OUT-PATIENT							
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL	
		M	D	F	D	M	D	F	D		M	F	M	F		
SECTION XVIII																
DISEASES OF THE NOSE																
18-1-86	Atresia of Nostril.....							1		1						
18-2-86	Anosmia.....												3	1		4
18-3-86	Hypertrophy of Turbinate.....					17		13		30			39	19		58
18-4-86	Deformity of Nose.....					5		1		6			5	7		12
18-5-86	Epistaxis.....					6		2		8			30	16		46
18-6-86	Foreign Body in Nose.....												4	4		8
	Septum															
18-9-86	Deviation.....					353		112		465			724	273		997
18-10-86	Perforation.....												9	2		11
18-11-86	Abscess.....					3				3			4			4
18-12-86	Spur.....					1				1			12	7		19
18-12a-86	Ulceration.....					1				1						
18-13-86	Ozena (Atrophic Rhinitis).....												32	47		79
18-14-86	Rhinitis.....												14	12		26
	Acute.....							1		1			46	36		82
	Chronic.....							1		1			59	56		115
	Hypertrophic.....												3	5		8
	Purulent.....												3			3
18-15-86	Vasomotor Rhinitis (to include Hay Fever)...												7	8		15
18-18-86	Ulcer.....													2		2
18-19-86	Sinusitis.....					37	1	32		69	12	3	58	60		133
	Acute.....					5		4		9			30	21		51
	Chronic.....					2		1		3			7	3		10
	Empyema of Antrum.....					11		27		38			12	14		26
	Frontal.....					6		10		16			19	13		32
	Pansinusitis.....												9	6		15
18-20-143	Furuncle.....										1		2	1		4
18-21-146	Ethmoiditis.....					26		24		50			50	27		77
18-22-143	Furunculosis of Vestibule.....										1		7			8
18-23-145	Eczema of Vestibule.....												11	5		16
18-26-86	Synechia.....					1				1			1	1		2
SECTION XIX																
DISEASES OF THE MOUTH, LIPS, CHEEKS, PHARYNX, TONSILS, PALATE																
19-3-99	Abscess of Salivary Gland.....							1		1						
19-10-99	Stomatitis.....												4	3		7
19-12-99	Ulcer of Mouth.....													1		1
19-17-100	Peritonsillar Abscess.....					5		3		8			17	11		28
19-19-100	Hypertrophy of Tonsils.....					17		25		42			143	111		254

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE							OUT-PATIENT						
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL
		M	D	F	D	M	D	F	D		M	F	M	F	
19-21-100	Tonsillitis (unclassified) .	.....	.....	.....	.....	1	..	7	..	8	.....	.....	8	11	19
	Acute .	.....	1	.....	.....	3	..	4	..	8	.....	.....	29	19	48
	Chronic .	.....	.....	.....	.....	5	..	5	..	10	.....	.....	30	36	66
	Follicular .	.....	.....	.....	.....	1	..	1	..	2	.....	.....	14	6	20
19-22-100	Keratositis Tonsillaris .	.....	.....	.....	.....	1	..	.....	..	1	.....	.....	2	1	3
19-23-100	Tonsils and Adenoids .	.....	.....	.....	.....	667	..	659	..	1326	.....	.....	1093	1049	2142
19-24-86	Adenoids .	.....	.....	.....	.....	80	..	74	..	154	.....	.....	133	137	270
19-26-100	Unclassified Diseases of														
	Tonsils .	.....	.....	.....	.....	22	..	38	..	60	.....	.....	22	18	40
19-28-100	Retropharyngeal Abscess	.....	.....	.....	.....	1	..	1	..	2	.....	.....	1	.....	1
19-29-100	Pharyngitis .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21	18	39
	Acute .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25	14	39
	Chronic .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	36	17	53
	Naso .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18	7	25
19-30-100	Angina Ludovici .	.....	.....	.....	.....	1	..	.....	..	1	.....	.....	.....	.....	.....
19-31-100	Stricture of Pharynx .	.....	.....	.....	.....	.....	.....	1	..	1	.....	.....	.....	.....	.....
19-32-100	Vincent's Angina .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	1	4
19-33-100	Foreign Body in Pharynx	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
19-39-100	Elongation of Uvula .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	2	4
SECTION XX															
DISEASES OF THE JAW, TEETH, AND GUMS															
20-1-99	Alveolar Abscess .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	2
20-2-99	Pyorrhea Alveolaris .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	3	5
20-3-99	Caries of Teeth .	.....	.....	.....	.....	.....	.....	1	..	1	.....	.....	26	30	56
20-4-99	Gingivitis .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
20-6-99	Odontalgia .	.....	.....	.....	.....	.....	.....	1	..	1	.....	.....	27	62	89
20-11-99	Impacted and Imbedded Teeth .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	2
SECTION XXI															
DISEASES OF THE TONGUE															
21-9-99	Unclassified Diseases of the Tongue .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
SECTION XXII															
DISEASES OF THE ESOPHAGUS															
22-3-101	Foreign Body .	.....	.....	.....	.....	1	..	.....	..	1	.....	.....	1	1	2
22-6-101	Stricture .	.....	.....	.....	.....	1	..	.....	..	1	.....	.....	1	.....	1
SECTION XXIX															
DISEASES OF THE LARYNX															
29-9-87	Laryngitis (unclassified) .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	3	5
29-10-87	Laryngitis (acute and chronic) .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14	4	18
29-12-87	Edema .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1
29-17-87	Singer's Node .	.....	.....	.....	.....	1	..	.....	..	1	.....	.....	.....	.....	.....

TABLE OF DISEASES

TABLES OF DISEASES COMPILED FROM RECORDS		HOUSE							OUT-PATIENT							
		OPHTHALMIC				AURAL				TOTAL	OPHTHALMIC		AURAL		TOTAL	
		M	D	F	D	M	D	F	D		M	F	M	F		
SECTION XXX																
DISEASES OF THE TRACHEA AND BRONCHI																
30-1-96	Asthma													1		1
30-3-90	Bronchitis (unclassified) ..							4		4						
30-7-89	Bronchitis, acute					1		1		2						
SECTION XXXIII																
DISEASES OF THE KIDNEY AND URETER																
33-7-122	Albuminuria											1				1
33-17-119	Nephritis, acute							1		1						
SECTION XXXV																
DISEASES OF THE URETHRA (MALE AND FEMALE)																
35-11-125	Urethritis											1				1
SECTION XXXVI																
DISEASES OF THE MALE GENERATIVE ORGANS																
36-12-150	Phimosis													1		1
SECTION XXXIX																
ILL-DEFINED, OR UNCLASSIFIED DISEASES																
39-5-189	Debility							1		1						
39-12-189	Headache													1		1
39-13-55	Hemophilia													1		1
39-14-85	Hemorrhage, Postopera- tive					4		4		8						
39-18-149	Myalgia													1		1
39-19-189	No Diagnosis															
	Unknown Disease			1		1		4		6	39	19	154	119		331
39-20-189	No Disease										1	3	109	135		248
39-21-189	Operation Wound												11	6		17
FINAL TOTALS		1415		930		1788		1435		5568	11770	11031	9609	6878		39288
DEATH TOTALS			5		1		15		12	33						

Form of a Bequest to the
Infirmary.

*I give and bequeath to the Massachusetts
Charitable Eye and Ear Infirmary of Boston,
the sum of dollars, to be applied to the
uses of said Infirmary.*

Copy

Ninety-fifth Annual Report

of the

**Massachusetts Charitable
Eye and Ear Infirmary**

**For the Year
1920**

THE MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

233 CHARLES STREET, COR. FRUIT STREET, BOSTON

OUT-PATIENT DEPARTMENT

The Out-Patient Department is open daily, excepting Sundays and legal holidays, from 8.30 to 10.30 A.M., for examination and treatment of all poor persons afflicted with disease of the eye or ear. Persons needing treatment in the hospital wards will be advised accordingly. Medicines and glasses are furnished at the Infirmary, but neither prescription nor advice will be sent by mail, express, or messenger.

HOSPITAL

Persons recommended for admission to the hospital wards should apply at the Superintendent's office before 1 P.M. *on weekdays only, excepting legal holidays.*

Accident and emergency cases admitted at any time.

All communications about the Infirmary or any inmate must be addressed to the Superintendent, and should contain the full name of the patient as well as the name and address of the writer.

Persons admitted to the wards as in-patients will be charged for board at the rate of twenty-one dollars per week, payable in advance, unless some special arrangement is made by the Superintendent. No reduction in rate of board made to those residing outside the Commonwealth of Massachusetts.

Visitors will be admitted to see patients from 2 to 3 o'clock in the afternoon, and but one visitor a day is allowed to each patient over seven years of age. Children under seven years of age may be visited on Sundays and legal holidays from 2 to 3 P.M., when two visitors are permitted. Visitors may be excluded at any time.

On Sundays and holidays two visitors are allowed each patient.

The Infirmary reserves the right to investigate every case.

Ninety-fifth Annual Report
of the
Massachusetts Charitable
Eye and Ear Infirmary

For the Year
1920

BOSTON
GRIFFITH-STILLINGS PRESS
1921

Officers

Board of Managers, 1920-1921

GEORGE P. GARDNER
Feb. 1, 1887

HENRY PARKMAN
May 2, 1893

WILLIAM D. SOHIER¹
Jan. 7, 1896

ROBERT HOMANS
May 1, 1900

WILLIAM C. ENDICOTT
Feb. 3, 1903

RUSSELL G. FESSENDEN
Feb. 3, 1903

HERBERT M. SEARS
Dec. 20, 1905

CHARLES P. CURTIS
Feb. 5, 1907

ROBERT H. STEVENSON, JR.
Feb. 5, 1907

JOHN LAWRENCE¹
Feb. 5, 1907

JAMES DEAN
June 12, 1914

JAMES C. HOWE
June 12, 1914

EDWARD H. BRADFORD, M.D.
Oct. 31, 1918

President

EDWARD H. BRADFORD, M.D.

Secretary

JAMES C. HOWE, 17 Court Street, Boston

Treasurer

HENRY PARKMAN, 53 State Street, Boston

Executive Committee

GEORGE P. GARDNER

JOHN LAWRENCE

HERBERT M. SEARS

Finance Committee

RUSSELL G. FESSENDEN

JAMES C. HOWE

JAMES DEAN

¹Appointed by the Commonwealth.

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Visiting Committee

January . . .	MR. FESSENDEN	July	MR. PARKMAN
	MR. SEARS		MR. STEVENSON
February . . .	MR. SEARS	August	MR. STEVENSON
	DR. BRADFORD		MR. HOMANS
March	DR. BRADFORD	September . . .	MR. HOMANS
	_____		MR. CURTIS
April	_____	October	MR. CURTIS
	MR. HOWE		MR. ENDICOTT
May	MR. HOWE	November . . .	MR. ENDICOTT
	MR. DEAN		MR. GARDNER
June	MR. DEAN	December . . .	MR. GARDNER
	MR. PARKMAN		MR. FESSENDEN

Ladies' Visiting Committee

MRS. RICHARD C. CURTIS, <i>Chairman</i>	MISS ELLEN CURTIS
MRS. REGINALD FOSTER	MISS ELEANOR WHITNEY <i>Mrs. J. Knobel</i>
MISS TERESA MERRIAM	MRS. B. HARWOOD
MRS. THOMAS P. CURTIS	MRS. L. L. LORILLARD
MRS. J. S. FAY	MRS. HAROLD PEABODY
MISS CLARA WINTHROP	MISS CORNELIA FISK
	MISS ROSANNA FISK

Executive Officers

Superintendent

FREDERIC A. WASHBURN, M.D.

Assistant Superintendent

HAROLD M. FROST, M.D.

Surgical Board

Consulting Ophthalmic Surgeons

HENRY W. BRADFORD, M.D.	EDWIN E. JACK, M.D.
H. BECKLES CHANDLER, M.D.	FREDERICK E. CHENEY, M.D.
MYLES STANDISH, M.D.	HENRY H. HASKELL, M.D.

Consulting Aural Surgeons

J. ORNE GREEN, M.D.	EDWARD M. PLUMMER, M.D.
	FREDERICK L. JACK, M.D.

OFFICERS

Ophthalmic Chiefs of Service

ALEXANDER QUACKENBOSS, M.D. FRED SPALDING, M.D.

Aural Chiefs of Service

EUGENE A. CROCKETT, M.D. PHILIP HAMMOND, M.D.
HARRIS P. MOSHER, M.D., *Laryngological*

Ophthalmic Surgeons

FREDERICK H. VERHOEFF, M.D. GEORGE S. DERBY, M.D.
PETER H. THOMPSON, M.D. WALTER B. LANCASTER, M.D.
GEORGE H. RYDER, M.D.

Aural Surgeons

D. HAROLD WALKER, M.D. WILLIAM F. KNOWLES, M.D.
HARRIS P. MOSHER, M.D. FRANCIS P. EMERSON, M.D.

Assistant Ophthalmic Surgeons

SAMUEL J. McDONALD, M.D. RALPH A. HATCH, M.D.
W. HOLBROOK LOWELL, M.D. HENRY HAWKINS, M.D.
EDWARD K. ELLIS, M.D. HENRY G. CARROLL, M.D.
WILLIAM N. SOUTER, M.D. HENRY B. STEVENS, M.D.
HUGO B. C. REIMER, M.D.

Assistant Aural Surgeons

GEORGE L. TOBEY, JR., M.D. DANA W. DRURY, M.D.
LEON E. WHITE, M.D. JOHN H. BLODGETT, M.D.
CALVIN B. FAUNCE, JR., M.D. D. CAMPBELL SMYTH, M.D.
FREDERICK L. BOGAN, M.D. HARRY P. CAHILL, M.D.
OLIVER A. LOTHROP, M.D.

Ophthalmic Clinical Assistants

THOMAS F. CAPELES, M.D. JOHN J. JENNINGS, M.D.
MAUD CARVIL, M.D. JOHN J. KERRIGAN, M.D.
HAROLD B. CHANDLER, M.D. ROLAND C. MACKENZIE, M.D.
JOSEPH L. DOWLING, M.D. PERCY C. PROCTOR, M.D.
JOHN J. GILBERT, M.D. RALPH H. RUGGLES, M.D.
EDWIN B. GOODALL, M.D. FREDERICK N. STEPHENS, M.D.
CLARENCE F. WORTHEN, M.D.

Aural Clinical Assistants

NEWTON S. BACON, M.D. GEORGE H. POIRIER, M.D.
HARRY P. FINCK, M.D. CHARLES T. PORTER, M.D.
WILLIAM J. HARKINS, M.D. FRED A. SIMMONS, M.D.
JAMES C. KIRBY, M.D. HAROLD G. TOBEY, M.D.
PHILIP N. MELTZER, M.D. WILLIAM I. WIGGIN, M.D.

Pathologist

FREDERICK H. VERHOEFF, M.D.

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Roentgenologist

A. S. MacMILLAN, M.D.

Consulting Laryngologists

D. CROSBY GREENE, JR., M.D. HARRY A. BARNES, M.D.
FREDERICK E. GARLAND, M.D.

Consulting Physicians

DAVID L. EDSALL, M.D.	THEODORE J. EASTMAN, M.D.
RICHARD C. CABOT, M.D.	GERALD BLAKE, M.D.
C. MORTON SMITH, M.D.	LOUIS MEAD, M.D.
FREDERICK T. LORD, M.D.	HARRY LINENTHAL, M.D.
ROGER I. LEE, M.D.	LESLEY H. SPOONER, M.D.
JAMES H. MEANS, M.D.	WILLIAM B. ROBBINS, M.D.
F. GORHAM BRIGHAM, M.D.	

Physician to Children

FRITZ B. TALBOT, M.D.

Assistant Physician to Children

RICHARD M. SMITH, M.D.

Assistants in the Care of Children

J. HERBERT YOUNG, M.D.	ARTHUR A. HOWARD, M.D.
RICHARD S. EUSTIS, M.D.	WILLIAM R. P. EMERSON, M.D.

Consulting Surgeons

SAMUEL MIXTER, M.D.	HUGH WILLIAMS, M.D.
CHARLES A. PORTER, M.D.	LINCOLN DAVIS, M.D.
FRANKLIN G. BALCH, M.D.	EDWARD P. RICHARDSON, M.D.
GEORGE W. W. BREWSTER, M.D.	W. JASON MIXTER, M.D.
ROBERT B. GREENOUGH, M.D.	WYMAN WHITTEMORE, M.D.
DANIEL F. JONES, M.D.	RICHARD H. MILLER, M.D.

Consulting Orthopedic Surgeon

ROBERT B. OSGOOD, M.D.

Consulting Genito-Urinary Surgeon

J. DELLINGER BARNEY, M.D.

Consulting Neurologists

EDWARD W. TAYLOR, M.D.	WALTER E. PAUL, M.D.
JAMES B. AYER, M.D.	

Consulting Dermatologists

CHARLES J. WHITE, M.D.	HARVEY P. TOWLE, M.D.
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Consulting Anesthetists

FREEMAN ALLEN, M.D.	ARTHUR M. DODGE, M.D.
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Refractionists

EDWIN B. GOODALL, M.D.	JOHN J. JENNINGS, M.D.
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OFFICERS

House Staff

Ophthalmic House Surgeons

LOUIS H. GAUS, M.D.
J. A. C. GABRIELS, M.D.

R. C. CHENEY, M.D.
R. C. WHITNEY, M.D.
L. H. WEINHEIMER, M.D.

Aural House Surgeons

RICHARD A. KEARNY, M.D.
ARTHUR C. GIBSON, M.D.
HARRIS H. VAIL, M.D.

D. E. S. WISHART, M.D.
CHARLES O. DAY, M.D.
M. L. SOWERS, M.D.

Superintendent of Nurses

MARY COONAHAN, R.N.

Chief Social Worker

JESSIE M. C. HUME, R.N.

Report of the Board of Managers

The Massachusetts Charitable Eye and Ear Infirmary, which is the second oldest hospital in New England, having been incorporated in 1827, and one of the largest in the world for the treatment of diseases of the eye and ear, performed the usual amount of work during the past year.

The number of patients admitted to the Infirmary was 5,856. Of these, 1,173 were private patients. Of the 4,683 patients treated in the public wards, 663 were free, while the remainder paid either the full or some intermediate rate. This compares with a total last year of 4,603, of which 820 were private and 3,783 public, 499 of the latter being free and the remainder paying something for their board. In the public wards the total number of days board supplied was 40,591, of which 20,920 were free. The method of computing the number of free days board is explained in the Superintendent's report, which follows. This may be compared with the figures of the year 1919, in which the number of days board supplied in the public wards was approximately 35,003, of which 19,280, computed as for 1920, were free. The number of new patients treated in the Out-Patient Department was 25,283, compared with 25,522 in 1919; while the total visits of old and new patients numbered 69,115 as compared with 69,099 last year.

With a deficit of more than \$10,000 last year, a deficit every year for a good many years (for the last seven years running from \$900 to over \$23,000), and with rising prices, the Managers were obliged to increase the price of board and also the Out-Patient fees, endeavoring in every case when necessary to furnish free treatment. It must be remembered that we have never been able to replace the \$45,000 formerly given annually to the Infirmary by the State, which was discontinued two years ago. This was approximately one quarter of our expenses. While we have not turned away the deserving poor who could not afford to pay anything, of necessity a hardship has been inflicted on many, owing to the increased charges.

REPORT OF THE BOARD OF MANAGERS

To show what we have been obliged to do in order to keep the Infirmary running, a comparison of expenses, receipts, charges, etc., in 1914 and 1920 follows:

	1914	1920
Operating expenses	\$133,197.21	\$232,246.69
Hospital receipts	34,050.31	191,737.34
Patients admitted, not including private patients	3,630	4,683
Admitted free	1,595	663
Paying under \$10.50 a week	1,860	822
Out-Patient visits	58,772	69,115
Out-Patient admission fee		
Adults	10c	50c
Children under 16 years	10c	15c
Cost per patient per week	13.72	33.42
Cost of subsistence per day, per patient	21½c	52c

These figures speak for themselves, especially those showing the greatly reduced number of free patients and the increased receipts, due largely to increased charges. We established a private ward four years ago, but the receipts from this have not nearly made up for the loss of the \$45,000 formerly given by the State. It is needless to add that during these years only the absolutely necessary improvements have been made, and the Managers should spend a considerable sum of money so that the Infirmary can do the work it should.

Realizing the needs of the Infirmary for further funds and that its work was not well known, the Managers decided to institute a campaign of publicity. Through the courtesy and coöperation of Mr. William Dana Orcutt, the plan was suggested and carried out of having booklets with short stories about the Infirmary printed and mailed to a large list of people. It was not expected that a large subscription would result, but that the work of the Infirmary would become better known and ultimately result in larger financial support from the public. The managers acknowledge with thanks the subscription to the appeal, a list of the donors being attached at the end of the report, and desire to thank the Committee of the Permanent Charity Fund for the continued support of the Infirmary and the Social Service Department.

They also desire to record their grateful appreciation of the devoted service rendered by the entire Staff.

R. G. FESSENDEN, *Chairman*,
JAMES DEAN,
JAMES C. HOWE,
Committee of the Board of Managers.

Report of the Treasurer

Year Ending September 30, 1920

INCOME

RECEIPTS

Investments for general purposes	\$28,718.40	
Investments for special purposes:		
Brooks Fund, Social Service	250.00	
Sears Fund, Social Service	960.00	
Aural Surgeons' Fund	600.00	
Interest on deposits	509.50	
R. R. Brigham Estate	1,000.00	
E. V. Ashton Estate	2,200.00	
Committee of the Permanent Charity Fund, for general purposes	3,000.00	
Committee of the Permanent Charity Fund, for Social Service	2,050.00	
Contributions for general purposes	6,601.63	
Contributions for Social Service	849.00	
Superintendent, by his report	191,737.34	
		<hr/>
		\$238,475.87

DISBURSEMENTS

By the Treasurer:

Insurance	\$497.30	
Auditors, Bookkeeping	292.50	
Accrued Interest on Investments	409.27	
Publicity Campaign	9,043.68	
Miscellaneous	91.55	
		<hr/>
		\$10,334.30

By the Superintendent, by report:

General Expenses	\$223,526.86	
Social Service Work	8,103.46	
Instruments purchased from Aural Surgeons' Fund	616.37	
		<hr/>
		232,246.69

Total Disbursements	<hr/>	\$242,580.99
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Deficit		<hr/>	\$4,105.12
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REPORT OF THE TREASURER

PRINCIPAL

RECEIPTS

Cash on hand October 1, 1919	\$25,048.80	
U. S. Certificates paid	25,000.00	
Cin., Ind., St. Louis & Chic. R.R. bonds paid . .	5,000.00	
Chic., Mil. & St. Paul R.R. bonds paid	10,000.00	
Income of Weber Fund transferred to principal .	75.00	
Agoos Family Charity Fund	200.00	
Legacy under will of Abbie T. Vose	1,014.90	
Legacy under will of A. W. Spencer	2,000.00	
Sale of land to city of Boston for widening Charles Street	9,711.63	
	<hr/>	\$78,050.33

DISBURSEMENTS

Bought:		
50 shares Standard Oil Co., pref. . .	\$5,700.00	
\$10,000 U.S. Rubber Co., 5s, 1947 . .	8,437.50	
\$10,000 Steel and Tube Co., 1944 . .	9,450.00	
\$10,000 Chicago Union Station, 1963 . .	9,850.00	
\$15,000 U.S. Certificates, due Nov. 15, 1920	15,000.00	
\$5,000 Kingdom of Belgium, 7½% . .	4,962.50	
\$5,000 Cleveland Electric Illuminat- ing Co., 7%, 1935	4,800.00	
\$5,000 Armour & Co., 7%, 1930 . .	4,742.00	
	<hr/>	\$62,942.00
Cash in hands of Treasurer, Sept. 30, 1920	\$8,192.45	
Cash in hands of Superintendent, Sept. 30, 1920	2,810.76	
	<hr/>	11,003.21
To take up deficit	4,105.12	
	<hr/>	\$78,050.33

SOCIAL SERVICE WORK

RECEIPTS

Income Sears Fund	\$960.00	
Income Brooks Fund	250.00	
Committee of the Permanent Charity Fund . . .	2,050.00	
Contributions	849.00	
	<hr/>	\$4,109.00

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

DISBURSEMENTS

Salaries of Social Workers	\$6,755.19	9072.98
Salaries of Clerical Workers	633.32	684.50
Stationery	73.32	110.48
Fares	119.19	153.03
Postage, telephones, and sundries	522.44	492.35
	<hr/>	\$8,103.46
		10,512.84

HENRY PARKMAN,
Treasurer.

PATTERSON, TEELE & DENNIS,
Accountants and Auditors.

Report of the Superintendent

TO THE BOARD OF MANAGERS:

Gentlemen: I have the honor to submit the following report for the year ending September 30, 1920. The year has been one of higher prices than any which preceded it. As the income from our invested funds varies but little from year to year, it has been necessary to meet the increased expenses by again raising the charges to patients.

The new ward rates went into effect May 14th. They were raised from \$2.50 to \$3.00 per day. On June 7th the Out-Patient fee was raised from 25 cents per visit for adults and 15 cents per visit for children under sixteen years of age, to 50 cents per visit for adults and 15 cents per visit for children. There has been no falling off in the number of Out-Patient visits. There has been a decrease in the amount of free work done in the house. The following figures are obtained by taking the amount of money received for board of patients in public wards and dividing that figure by the full rate of board prevalent at the time. This gives the number of days of paying patients reckoned as though they were paying full rates. By subtracting this figure from the total of patients' days we get the number of free days. The following table shows the pay and free days thus obtained for the last three years.

PATIENTS IN PUBLIC WARDS ONLY

1918		1919		1920	
Free	Full Rate	Free	Full Rate	Free	Full Rate
30,388	12,020	21,649	15,723	20,920	19,671
(42,408)		(37,372)		(40,591)	

The most rigid economy has been used in the conduct of the affairs of the institution. The hospital has several physical needs which are very urgent. It is hoped that the Managers will find themselves provided with the means to meet these at an early date. The most pressing are the following:

1. An additional elevator.
2. New cold storage boxes and plant.

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

3. Remodeling of one of the rooms on the third floor to make another operating room.
4. New and additional equipment in the kitchen and laundry.

I might go on and explain in detail the reasons why these requests are necessary; but I believe your Board is familiar with them. It is perhaps sufficient to say that we have been unable to make any but the most necessary repairs and improvements for several years, and the needs now represent an accumulation during this period. The following table will be of interest, as it shows the increase in operating expenses at the hospital, the growth of operating receipts, and finally the diminishing amount needed from the Treasurer to pay the balance; all this for a period of seven years.

	1914	1915	1916	1917
Operating Expenses	\$133,197.21	\$142,451.68	\$153,981.03	\$180,611.23
		+9,245.47	+11,529.35	+26,620.20
Hospital Receipts	\$34,050.31	\$53,587.63	\$74,045.51	\$100,438.01
		+19,537.32	+20,458.88	+26,392.51
Necessary to	\$99,146.90	\$88,864.05	\$79,935.52	\$80,173.92
Balance		+10,282.85	—8,928.53	+238.40
	1918	1919	1920	1920 over 1914
Operating Expenses	\$195,640.30	\$187,343.14	\$232,246.69	\$99,049.48
	+15,029.07	—8,297.16	+44,903.55	
Hospital Receipts	\$113,134.31	\$142,078.45	\$191,737.34	\$157,687.03
	+12,696.30	+28,944.14	+49,658.89	
Necessary to	\$82,505.99	\$45,265.69	\$40,509.35	\$—58,637.55
Balance	+2,322.07	—37,240.30	—4,756.34	

It will be recalled that for the last two years we have been obliged to get along without the \$45,000 a year received from the Commonwealth previous to this time. The signs of the times would indicate lower prices in the immediate future. It is perhaps reasonable to say that the period of our most serious financial stress is over.

I believe that the Managers are to be congratulated that the ship has weathered the storm without being obliged to jettison any more of her cargo.

REPORT OF THE SUPERINTENDENT

The resignation of Mrs. Robert S. Russell from the position of Chairman of the Ladies' Visiting Committee marks a distinct loss to the Infirmary.

My thanks are especially due to the careful and conscientious work of Dr. Harold M. Frost, Assistant Superintendent.

Attention is invited to the appended reports and tables of statistics.

Very respectfully yours,

FREDERIC A. WASHBURN,
Superintendent.

Report of the Superintendent, Comparative Financial Statements

For the Fiscal Years 1919 and 1920

OPERATING EXPENSES		1920	1919	HOSPITAL RECEIPTS		1920	1919
SALARIES AND WAGES							
Officers and Clerks		\$9,908.38	\$8,999.57	Board of Patients		\$41,939.04	\$39,307.51
Telephone Operators		2,388.32	1,500.63	X-Rays		2,857.90	1,889.85
Out-Patient Department Clerks		5,248.89	4,457.66	Wassermann Tests		94.00	93.00
Social Service Department		7,388.51	5,850.35	Special Nurses		749.50	1,732.50
Druggists		2,710.05	2,328.17	Optical		45,463.20	33,238.75
Opticians		4,024.12	3,089.30	Apothecary		13,666.76	12,244.23
Refractionists		1,299.84	1,343.52	Admission Fees, Out-Patient Department		18,228.33	14,979.65
Supt. of Nurses and Assistants		2,930.00	2,790.00	Throat Patients' Board		8,983.80	3,160.00
Head Nurses and Assistants		16,014.95	11,288.52	Records		248.00	276.50
Post Graduate Nurses		390.05	216.00	Certificates		145.70	180.50
Pupil Nurses		887.43	795.20	Telephone		280.64	228.53
Special Nurses		9,596.09	5,825.57	Interest		81.50	149.25
Attendant Nurses		5,387.32	5,634.13	Stamps		113.10	129.48
Orderlies		6,051.47	4,939.92	Grease, Bones, Boxes, Barrels, and Junk		211.83	25.28
Ward Maids		2,781.53	2,061.53	Miscellaneous		1,374.77	1,415.14
X-Ray Department		1,536.60	1,734.38	Board, Private Patients		33,276.87	19,263.00
Pathological Laboratory		1,655.00	1,337.33	Operating Room Fees, Private Patients		10,182.00	7,896.50
Store		320.00	445.00	X-Rays, Private Patients		988.00	355.00
Housekeeping and Kitchen		16,309.85	13,076.39	Wassermann Tests, Private Patients		51.50	21.00
Laundry		5,396.85	4,410.64	Special Nurses, Private Patients		9,983.25	5,179.75
Maintenance, Property, and Plant		7,957.43	7,555.25	Miscellaneous Private Patients		361.12	82.04
Industrial Worker			720.00	War Tax on Glasses		1,126.53	230.99
				Operating Room Fees		1,330.00	
TOTAL		\$110,182.68	\$90,399.06				
				TOTAL		\$191,737.34	\$142,078.45

OPERATING EXPENSES

SUPPLIES

General Administration	\$5,635.44	\$4,520.72
Apparatus and Instruments	1,754.02	968.00
Medical and Surgical	11,446.91	9,151.87
Wassermann Tests	119.00	91.00
X-Rays	680.85	568.64
Optical	14,689.05	10,635.21
Housekeeping and Kitchen	3,568.50	4,515.68
Laundry	744.48	1,125.41
Meat, Poultry, and Fish	15,145.54	11,065.11
Fruit and Vegetables	4,508.62	3,784.06
Bread and Flour	2,763.43	2,711.03
Milk and Cream	11,975.03	9,944.45
Groceries	10,313.00	6,799.31
Butter and Eggs	7,625.41	5,534.41
Gas	428.80	395.03
Electric Lighting, Nurses' Home	585.10	452.34
Heat, Light, and Power, Hos-		
pital Buildings	15,848.76	13,490.80
Ice	2,464.10	2,207.18
Fuel, Kitchen	865.14	475.54
Fuel, Nurses' Home	1,791.41	1,313.76
Water, Hospital Buildings	1,262.40	1,114.80
Water, Nurses' Home	350.40	242.00
Maintenance, Property and		
Plant	3,612.57	3,112.33
Refunds	1,350.06	1,821.46
Miscellaneous	1,321.87	672.95
War Tax on Glasses	1,034.12	230.99
TOTAL	\$122,064.01	\$96,944.08

SUMMARY FOR TWELVE MONTHS

OPERATING EXPENSES

Salaries and Wages	\$110,182.68	\$90,399.06
Supplies	122,064.01	96,944.08
Total Hospital Expenses	\$232,246.69	\$187,343.14
Total Hospital Receipts	191,737.34	142,078.45
Necessary to balance account	\$40,509.35	\$45,264.69

Report on the Work of the Gardner Building

During the past year 275 patients were treated in the Gardner Building. Of these, 47 were treated for gonorrheal ophthalmia neonatorum, and 27 for non-gonorrheal ophthalmia neonatorum. At the time of entrance the cornea was involved in 5 cases of gonorrheal ophthalmia neonatorum, 1 of these being clear on discharge. At the time of entrance the cornea was involved in one case of non-gonorrheal ophthalmia neonatorum, this being clear on discharge. The cornea was not involved in any case of ophthalmia neonatorum after admission.

There were 6 patients treated for gonorrheal suppurative conjunctivitis, and 30 for non-gonorrheal suppurative conjunctivitis. At the time of entrance the cornea was involved in 4 cases of gonorrheal suppurative conjunctivitis, 2 of these being clear on discharge. At the time of entrance the cornea was involved in 7 cases of non-gonorrheal suppurative conjunctivitis, none of these being clear on discharge. The cornea was not involved in any case of suppurative conjunctivitis after admission.

There were also 34 patients treated for trachoma.

There were 28 patients transferred to Gardner Building, for erysipelas, tonsillitis, measles, whooping cough, and other infectious diseases which manifested themselves in the general wards of the hospital.

Statistics

House Patients

Number of patients treated in ophthalmic wards	1,671	
Number of patients treated in aural wards	3,012	
Number of patients treated in private wards	1,173	
	<hr/>	5,856

* * * * *

Average number of patients treated daily in the public wards	114—
Average number of days patients remained in the hospital	9—

* * * * *

Number of days board furnished free	20,920	
Number of days board paid at full rate in public wards . . .	19,671	
	<hr/>	40,591

* * * * *

Cost per patient public and private wards per week	\$33.42
Cost of subsistence per inmate per day . . . . .	.52¢

* * * * *

Number admitted free	663
Number admitted at less than \$10.50 per week	822
Number admitted at \$10.50 per week	966
Number admitted at \$15.00 per week	46
Number admitted at \$17.50 per week	1,380
Number admitted at \$21.00 per week	860

PRIVATE PATIENTS

Number admitted at \$21.00 per week	340	
Number admitted at \$28.00 per week	309	
Number admitted at \$31.50 per week	10	
Number admitted at \$35.00 per week	96	
Number admitted at \$42.00 per week	178	
Number admitted at \$49.00 per week	215	
Number admitted at \$56.00 per week	18	
Number admitted at \$63.00 per week	7	
	<hr/>	5,656

CONDITION OF PUBLIC WARD PATIENTS ON DISCHARGE

Relieved	4,416	
Not relieved	74	
Died	30	
Otherwise discharged	46	
Remaining in hospital September 30, 1920	117	
	<hr/>	4,683

STATISTICS

Out-Patient Department

New patients treated:

Ophthalmic: Males	6,892	
Females	8,512	
	<hr/>	15,404
Aural: Males	4,560	
Females	5,319	
	<hr/>	9,879
		<hr/>
Total		25,283

Old patients treated:

Ophthalmic	22,951	
Aural	20,881	
	<hr/>	43,832
		<hr/>
Total visits in Out-Patient Department		69,115

Report of Post-Graduate Training School

The most vital issue that the Training School has dealt with during the past year and must face during the coming year is one common with all hospitals, and all over the country; that is, the lack of pupil nurses.

The reason for this shortage is fairly well known to those who have to do with hospital life; but as a report justifies itself in its appeal to the public, the present time seems to be a fitting one to bring to the same public the cause and possible remedy for this shortage. In the final analysis the value of the training of the nurse is her service as a public servant, and the lack of the nurse in a time of need cannot but be a public calamity.

Therefore, as the public is benefited by her existence and injured by her non-existence, it must meet the responsibility of her production.

The healthy, ambitious, progressive young American woman, keen for economic independence and desirous of a life of service, willing to do hard work and with native ability, will not enter that most satisfying work, nursing the sick, for the following reasons.

Probably the most potent cause is the hospital that, for its own economic advantage, advertises and maintains a so-called school for the education of nurses, and gives the student no education, or at best a very poor one.

The student entering this school finds that her education is the least of the problems of the hospital; she finds no class room, little equipment, few teachers (frequently none who have the time or ability to teach), no vision of her as a student, but only as a worker.

She does find long hours of arduous labor with no recompense, educational or otherwise; responsibility placed upon her and no preparation given to fit her for it; criticism, frequently unmerited and destructive, rarely constructive, that would be severe if given to the finished graduate, much less the student.

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Second to the training school which gives no education to its student, is the excessively long hours and heavy work common to every training school.

These objections come from parents, teachers, and directors of young women who know the actual conditions and think such conditions cannot be defended, to the possible applicant for nurse training.

The long hours not only prevent the entrance into the training school of desirable women, but cause many students to drop out during the first six months; this is often as high as fifty per cent, and usually from thirty to thirty-five per cent; naturally this group of thirty, who fail to remain, do not encourage their acquaintances to enter.

According to well-known facts, the average working hours of the student nurse, in the best schools of the country, are not less than fifty-two per week, or seven hours and fifteen minutes *every day* in the week, including Sunday.

Even with a day schedule of fifty-two hours per week it is not uncommon to find the night schedule of eighty-four hours per week; fairly common to find one of seventy hours, and quite uncommon to find one of less than fifty-six hours per week.

Added to this, illness, unexpected emergency, very busy seasons, and so forth, frequently cause the loss of off-duty hours, in whole or in part.

Still further to increase the burden is the short vacation given to the pupil nurse; in almost all schools other than nursing a summer vacation of at least two months is given, with from four to fourteen days at Easter and Christmas.

In the average training school, two weeks vacation; in the more generous, four weeks each year is given. Any time lost over this must be made up at the end of the three years, despite the fact that the student nurse may be competent to pass all her examinations.

Further, in the average training school all classes, lectures, and demonstrations are given in the nurse's off-duty time; also all preparation for theoretical work. Ordinarily this preparation and

REPORT OF POST-GRADUATE TRAINING SCHOOL

study must come at night, after a day of physical labor, often under high tension.

The recreations and normal social life of the average young woman the student knows chiefly by hearsay. While well-known social service experts show how play is necessary for the normal development of youth, the executives of training school departments cannot fit the theory into the exigencies of the practical training of a student nurse.

So much for some of the causes of this shortage of pupil nurses in the general hospital training schools of the country.

How does it affect the Infirmary, and what is its relation to the conservation of sight and hearing?

Being a special hospital the Infirmary is not justified in attempting general training for student nurses; therefore it must depend entirely on general hospital training schools for students, through *affiliations*.

It is believed in general training schools that aural and ophthalmic nursing is an important branch of a nurse's training; that it is desired by the students is shown by practically entire classes signing for it as an elective. But of the students asking for the training, probably not one fourth will be given it, due to the shortage of students to do the work of their own hospital; it is not to be expected that a training school so short of nurses that the work of its own hospital must be left undone, will be able to form or maintain affiliations.

That the affiliated school must suffer for conditions over which it has no control is shown by the following experience. One general hospital training school due to send twelve students per year to its affiliated school has sent nine; one due to send twelve has sent six and has been finally obliged to cancel its agreement; one that intended to increase the number has been unable to do so, and two affiliations made could send no pupils for six months. In short, the general training schools will not sacrifice the work of their hospital for the training of the student.

The conservation of sight and hearing need specially trained nurses who have the fundamental knowledge of how to carry out treatment which may be ordered, and who will know the dangers

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

attendant on the departure from the normal. These nurses should be found in all public health activities, in schools, industrial and district nursing; in social service, public health and research work; in hospitals and private nursing. And until they are so found, the progress in the prevention of loss of sight and hearing will not take place, as the public has legitimate reason to expect.

So much for the cause.

The remedy for the conditions which prevent young women entering training schools for nurses in sufficient numbers to care adequately for the health of the people, is a simple one, and reverts to the public; first, give your moral and financial support to your training schools; make them truly educational institutions; then demand — whether you be merchant, farmer, or banker — that the conditions found in them shall be such that your most precious daughter may find health, happiness, and golden opportunity in her service to the sick, should she “train to be a nurse.”

During the year of 1920 the number of student nurses taking the course increased slightly over 1919.

Sixty students completed the course.

Two left on account of illness.

The number of graduate nurses applying for the post-graduate course was far in excess of 1919, but on ascertaining that the money allowance was at the rate of \$12 per month, and the cost of nurses' shoes, uniforms, and traveling expenses greatly increased, many could not avail themselves of the desired instruction.

This was regretted for two important reasons: that many requests for help had to be refused to hospitals, physicians, and patients needing nurses competent to care for eye and ear; and that much of the work of the Private Floor of the Infirmary, particularly that of “special” nursing, could be more satisfactorily done by a group of nurses who had been instructed in the student class, and on completing the course could be permanently attached to the Infirmary.

The teaching of the student nurses has gone on systematically. The affiliations with the Nurses' Training Schools of the general

REPORT OF POST-GRADUATE TRAINING SCHOOL

hospitals have been continued, except in that of the Rockingham Hospital Association in Vermont, which will withdraw its nurses after November of this year. Due to the shortage of students in the general training schools, none of the schools have been able, at all times, to send their full numbers of students.

Two new affiliations are under way, one with the Butler Hospital of Providence and one with the Bath General Hospital, Bath, Maine.

Again the Training School offers its thanks to the many who have extended to it courtesies and service.

MARY COONAHAN, R.N.,
Superintendent of Nurses

Report of Medical-Social Service Department

It is with considerable satisfaction that the writer notes the increased number of calls upon the Medical-Social Service Department during the past year. Although handicapped by lack of funds, volunteers, and substitutes during vacations, the situation has been met, although not in the manner desired.

The work as given in detail was handled by three full-time Case Workers, a part-time Ward Worker, a Medical Follow-up Worker for five months of the year, and a full-time stenographer, with the Chief Worker, who was obliged to assist in the daily routine.

The Department is run upon a strictly non-sectarian basis, and in conjunction with all Departments of the Infirmary. Its main functions are:

- First:* To follow up all cases referred from clinic or wards for the purpose of completing the medical treatment.
- Second:* To work in close coöperation with Boards of Health, Public Health agencies, etc., in an effort to minimize social diseases.
- Third:* To act as a means of interpretation between patient and physician, and in this way promote a better understanding of conditions, both medical and social.
- Fourth:* To arrange for readjustment and education of patients handicapped from eye or ear diseases.
- Fifth:* To maintain a high standard of educational work in the homes, along the lines of elementary hygiene and common standards of living.
- Sixth:* To work on the basis of prevention of blindness and deafness.

During the year 2,692 patients were known to the Department for various types of service, exclusive of the Medical Follow-Up Work. Of this number 164 were carried over from the previous

REPORT OF MEDICAL-SOCIAL SERVICE DEPARTMENT

year. 763 calls to homes were made and 77 to agencies, while 133 patients were turned over to the Boston Instructive District Nurses and 61 to the nurses of the out-lying towns. The close supervision of the above-named nurses greatly hastened the recovery of the patients.

The Department still works in close relationship with the Division of the Blind, now a Department of the State Board of Education, in order that the low-visioned or blind patients may get what is best along the line of education or work, in order that they may become at least partially, if not wholly, self-supporting. Two hundred and sixty patients belonging to this class were reported to above-named organization, said number not being included in the group of 2,692.

During the five months under the new system of Follow-Up, 1,746 individuals were listed, while 1,296 post cards were sent out and 61 home visits made.

Pressure was so great in the Department, and money not forthcoming, that through the efforts of two of the lady visitors, money was raised for the employment of a half-time Phlyctenular Keratitis Worker. Said worker began her duties on September 1st. This is only a temporary relief, for even now a comparatively small number of such cases can be given close supervision, while all in the group should be followed closely, and many given convalescent care or sent to open-air schools, and there be under the watchful eye of the school nurse in order to prevent a recurrence of the trouble.

It is with pleasure that note is made of the action of the Trustees in setting aside a sum of \$500 for the placing out of discharged, long-time treatment cases, in order to make the medical job have a lasting effect. Almost miraculous results have been accomplished for the nine patients who have been thus financed.

It is to be regretted that an additional Ear Worker has not been added, on account of the shortage of funds, but it is hoped that in the near future a way may be found out of this difficulty, as the need is very great.

On May 1st the Medical Follow-Up, hitherto attached to the clinics, was by request taken over by our Department.

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

On account of the severity of the weather and poor transportation last winter, home visiting was made most difficult, hence the decrease in the number of calls.

Through the effort of one of our lady visitors and a little publicity, it has been possible to build up a fairly good library for the use of the ward patients, while a generous supply of toys for the children's ward was obtained.

Private individuals, clubs, and hotels have contributed flowers, Christmas gifts, books, magazines, etc., and to all these donors we make public acknowledgment.

To Miss Coonahan, Superintendent of Nurses, the staff physicians, nurses, and clerks, and to all who have aided the work of the Department, grateful acknowledgment is made.

General Work

Owing to the lack of a General Worker, a large number of cases from the Eye Clinic were handled by the worker in Gardner Ward, with assistance from the other members of the Department.

This was a fact to be deplored, as the combination proved to be unsatisfactory from various points of view. In this group were many children suffering from Phlyctenular Keratitis who ought to have intensive work done on them in order that a recurrence might, if possible, be prevented; but it was found necessary to handle them non-intensively, which is far from the ideal method. Home visits, school and district nurse supervision are essential, and sometimes the placing out of children in the country becomes a necessity in the fight to prevent the impairment of vision.

Seven hundred and six patients of varied diagnoses were carried in this general group, for various types of service, on which 284 home visits were made.

In above named group were included 191 patients who came with letters from other institutions or organizations, to be steered through our clinics. No social responsibility was carried by the Department, whose only function was to return intelligent reports to the society interested and to see that the financial arrangements were satisfactory to all parties concerned.

REPORT OF MEDICAL-SOCIAL SERVICE DEPARTMENT

The work of personally steering to the Massachusetts General Hospital clinics those patients who need examination and treatment in a general hospital has been continued, to the mutual benefit of patient and physician. 867 patients passed through our hands in this fashion. On July 1st this section was incorporated under the Medical Follow-Up and in this way overlapping was eliminated.

Ophthalmia Neonatorum

The duties of the worker in charge of the Ophthalmia Neonatorum group are:

- First:* To get an accurate history and any evidence of neglect of the child's eyes previous to admission; this is to supplement the physician's history.
- Second:* To secure, as far as possible, breast feeding for all babies admitted to Gardner Ward; mothers are urged to come to the Infirmary to nurse their babies, but where the difficulties of travel are too great, special provision is made by the Superintendent for the boarding of the mothers free of charge during the baby's period of treatment. Where neither of these plans is possible, it is the duty of the worker, in coöperation with the private physician on the case, to arrange for the sending of a daily supply of mother's milk by parcel post or special messenger.
- Third:* To persuade parents of babies with gonococcus infection to have necessary treatment.
- Fourth:* To plan for hygienic supervision of babies after discharge, not only for eyes, but for general care and feeding.
- Fifth:* To report to the Division of the Blind cases showing medical neglect and all cases of scarred cornea.

During the year 66 babies suffering from Ophthalmia Neonatorum were referred to the medical-social worker for intensive work, while 19 were given close medical supervision under direction. In the first named group the ages range from one day to

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

seven weeks, while in the last mentioned, from six weeks to six months. Of the total number 18 were illegitimate. 62 home visits were made on the intensive cases.

On discharge, 43 were referred to the Welfare Nurses for supervision, 3 to the State, 3 to private societies, 1 to Board of Health, and 5 to other hospitals for treatment, 4 to Division of the Blind.

Of the 85 babies known to the Department, 33 were wholly and 14 partially breast fed; 19 were put on a formula.

Special acknowledgment is made of the coöperation of the Boston Wet Nurse Directory, which responded to the call for breast milk on the occasions when the mother's milk could not be obtained otherwise, and on occasions where natural feeding was considered an absolute necessity for the babies of lowered vitality.

Of the total number of intensive cases, 45 had positive and 21 negative smears.

Thirty-one parents were examined and treated at the Massachusetts General Hospital G. U. clinic, while 24 were under the care of a private physician and 3 were known to other dispensaries.

Interstitial Keratitis

The study of Interstitial Keratitis has been carried on in a most satisfactory manner, and it is hoped that the data secured may result in a truly scientific study of the disease. The functions are:

First: To secure social data significant to the study.

Second: To keep patient under active treatment, both at the Infirmary and Massachusetts General Hospital. (Syphilitic clinic.)

Third: To readjust home conditions in coöperation with public health and social agencies so the long and tedious treatment may be completed.

Fourth: To make constructive, educational plans for children whose eyesight is permanently impaired.

Fifth: To have, when possible, the parents of the children examined, and treated if necessary, and to present findings of same to clinics of the Infirmary and Massachusetts General Hospital.

REPORT OF MEDICAL-SOCIAL SERVICE DEPARTMENT

Seventy-five new patients were referred to the special worker, while 26 were carried over from last year, and 4 old patients were reinstated. Said work is carried on jointly with the South Medical Department of the Massachusetts General Hospital.

Fifty-seven mothers and 27 fathers were examined, as well as 38 other members of families; 175 home visits were made.

Ward Work

The work in the wards has not been carried on continuously, which is a fact to be regretted, for much remains to be done along the lines of preventive work among the children in Bradlee Ward.

One hundred and eighteen patients were referred for various reasons, 32 of whom were given close supervision, convalescent care, etc., while 86 were slight service cases and were turned over to outside agencies or steered to other institutions; 61 home visits were made.

General Work

Medical-Social Service Department

October 1, 1919, — October 1, 1920

Aural Department

It has been gratifying to note the increased number of patients referred directly from the clinic, for in former years the patients were largely taken by the selective method.

The Aural Department is sorely in need of another worker, so that more children may benefit medically, socially, and educationally.

This year the Aural Department has been greatly aided by the Follow-Up Worker, who has relieved the Medical-Social Worker of a large group of patients.

Intensive Case Work

In this group developed problems for intensive case work, such as:

1. Convincing parents that child needed hospital care.
2. Families needing help in order that the hospital work on the patient would not be wasted.
3. Patients needing convalescent care.
4. Planning and aiding in medical supervision with Social Agencies for destitute families.
5. Delicate child, father a poor provider, mother inefficient.

Ninety-three patients received this type of care, 8 of whom were carried over from the previous year, while 17 were reinstated.

One hundred and twenty-one home visits were made.

Non-intensive Cases

These differ from the intensive cases in that the medical and social problems are shared by other social agencies interested in the patient. It is our duty to see that the patient understands the instructions given by the physician, and to report back the

GENERAL WORK

condition to the referring agency, or, as in many cases, to ask assistance from a relief agency.

The school and visiting nurses work in close coöperation with these cases.

One hundred and seventy-three patients received this kind of assistance from the Medical-Social Worker.

Deaf Children

As in the previous year, the totally deaf children were automatically referred from the clinic and kept in one group. The total number of these children was 83, 39 of whom were carried over from the previous year. As mentioned in an earlier report, the great need of these children is an opportunity for education, and this problem was worked out in coöperation with the Massachusetts State Board of Education, so that eventually each child may have a chance, although at present the capacity of the few existing schools for the deaf is inadequate to the demand.

We need more scientific classification of deaf children in order to educate the deaf child in the highest type of school for which he is best fitted, and to study the individual child so he may be happy, and later self-supporting.

A large proportion of these children are in regular school classes who are too deaf to derive the greatest benefit with normal hearing children, and yet should not be educated with deaf-mutes because they need the companionship of normal children.

For this type of child special classes in the public schools are an absolute necessity.

The work with the deaf is becoming better known. We are constantly receiving inquiries as to schools, lip-reading classes, vocational training, and suitable employment.

The handicapped deaf can never be adequately helped until an organization such as a Division for the Deaf is formed, to study their need and to assist them to live happy, useful lives.

The above is distinctly a public problem, and not one for individual or private backing.

JESSIE M. C. HUME, R.N.,
Chief Social Worker.

Report of the Pathological Laboratory

Within the past year an unusually large number of specimens have been submitted for diagnosis or investigation. Among the cases of especial interest were: Three cases of chronic ocular tuberculosis; one case of Parinaud's conjunctivitis; one case of bilateral conical cornea, in which both eyes were examined microscopically; one case of albuminuric retinitis; one case of asteroid hyalitis; several cases of glaucoma, presenting unusual features; two cases of tumor of the lacrimal gland; one case of sarcoid of Boeck; one case of orbital neurofibroma of the supraorbital nerve; one case of metastatic carcinoma of the choroid; one case of myoma of the iris; three cases of lymphoblastoma of the orbit, unusual in character; one case of glioma of the optic nerve.

The case of asteroid hyalitis is the only one of this condition in which the eye has been examined microscopically. The results of the study of this case will be published shortly. A special study of tumors of the optic nerve is being made, and a number of new facts relating to them have been ascertained. Dr. Faunce is making a study of laryngeal varix, a condition that hitherto has apparently escaped recognition.

During the past twenty years a large amount of pathological material has been examined, described, and catalogued in this laboratory. Included in this are many specimens from individual cases which should be studied more fully and reported in the literature, but which the pathologist, working alone, has yet been unable to prepare for publication. Cases of various conditions — for instance, glaucoma — have also now accumulated in sufficient number so that it would be possible, with adequate facilities, to make a statistical study of their histological features. In this connection the pathologist has felt acutely the need of assistants qualified to undertake such investigations, and especially the need of a technician equipped with an adequate preliminary education. These needs can be supplied only when sufficient funds are available for the use of the laboratory.

FREDERICK H. VERHOEFF, M.D.

Pathologist.

Report of the X-Ray Department

The following cases have been examined:

Positive	1,292
Negative	384
X-Ray Treatments	41
	<hr/>
Total	1,717

A. S. MacMILLAN, M.D.
Roentgenologist.

Scientific Papers Published by the Surgical Staff during the Year 1919-1920

- "The Diagnosis and Prognosis of Loss of Vision from Accessory Sinus Disease." By Leon E. White, M.D. *Journal of the American Medical Association*, May, 1920.
- "The Diagnosis of Accessory Sinus Disease, Causing Loss of Vision." By Leon E. White, M.D. *Boston Medical and Surgical Journal*, July, 1920. *The Laryngoscope*, September, 1920.
- "Deep Cervical Abscess and Thrombosis of the Internal Jugular Vein." By Harris P. Mosher, M.D. *The Laryngoscope*, June, 1920.
- "The Relations and Variations of the Lower End of the Esophagus." By Harris P. Mosher, M.D. Transactions of American Laryngological, Rhinological, and Otological Society, 1920.
- "Medical-Social Service and Follow-Up Work in the Eye Hospital." By George S. Derby, M.D. *Archives of Ophthalmology*, Vol. XLIX, No. 5, 1920.
- "Preliminary Report on Sub-conjunctival Cataract Operations." By W. Holbrook Lowell, M.D. *American Journal of Ophthalmology*, Vol. III, No. 4, April, 1920.
- "Suggestions Regarding the Teaching of Ophthalmology." By Frederick H. Verhoeff, M.D. *Archives of Ophthalmology*, January, 1920.
- "Clinical Manifestations of Infection of the Lateral Sinus." By Francis P. Emerson, M.D. *Journal of the American Medical Association*, August 7, 1920.
- "Observations of the Healing Processes Following Mastoid Operations." By Philip Hammond, M.D. Transactions of the American Otological Society, 1920.
- "Research Work in Ophthalmology at the Medical Research Laboratory of the Air Service Division of the Surgeon General's Office, and its Bearing on the Teaching of Ophthalmology in America." By Walter B. Lancaster, M.D. Transactions of the American Ophthalmological Society, 1919.

SCIENTIFIC PAPERS

"The Operative Treatment of Ptosis." By Walter B. Lancaster, M.D. Transactions of the American Academy of Ophthalmology and Otolaryngology, 1919.

"Mercurochrome-220. A Clinical and Laboratory Report on its Use in Ophthalmology." By W. B. Lancaster, M.D., F. L. Burnett, M.D., and L. H. Gaus, M.D. *Journal of the American Medical Association*, September 11, 1920.

"Argyrol." By Walter B. Lancaster, M.D. *The Boston Medical and Surgical Journal*, November 11, 1920.

"The Speed of Accommodation." By Edwin B. Goodall, M.D. Written at the Medical Research Laboratory, Hazelhurst Field, Mineola, L. I., 1919.

Report of Ophthalmic Department

House Operations

CONJUNCTIVA		Enucleation with implantation	
Cauterization of bleb	3	of glass ball	42
Conjunctival flap	24		
Dissection, complete, of conjunctiva	1	Total	113
Removal of new growth	1		
Stripping	1	EVISCERATIONS	
Subconjunctival injection of saline	1	Evisceration, simple	5
Suturing	2	Evisceration with implantation of glass ball	1
Transplantation of pterygium	8		
Transplantation of symblepharon	6	Total	6
Total	47		
CORNEA		IRIS	
Cauterization	24	Elliot trephine	51
Curetment	2	Iridectomy:	
Dissection of growth	1	for glaucoma	72
Infiltration of cornea with India ink	2	for iris prolapse	11
Neurotomy	1	in intraocular foreign body removal	4
Paracentesis	19	optical	34
Removal of foreign body	7	preliminary	9
Saemisch	17	Iridectomy with conjunctival flap	24
Total	73	Iridotaxis	6
		Iridotomy	9
		Removal of foreign body	2
		Synechotomy	3
		Total	225
ENUCLEATIONS		LACRIMAL APPARATUS	
Enucleations, simple, for		Extirpation of fistula of lacrimal sac	2
Blocked pupil	1	Extirpation of lacrimal gland	2
Disorganized globe	11	Extirpation of prelacrimal cyst	2
Glaucoma	21	Extirpation of tear sac	52
Hypopyon Keratitis	2	Incision of abscess	5
Injury	15	Obliteration of sinus	2
Keratoconus	2	Probing of lacrimal sac	8
Leucoma	1		
Orbital abscess	1	Total	73
Panophthalmitis	5		
Post-operative complications	1		
Staphyloma	4		
Tumor of globe	4		
Uveitis	3		

REPORT OF THE OPHTHALMIC DEPARTMENT

LENS	
Cataract extraction:	
in capsule	13
in capsule with conjunctival flap	7
in capsule with iridectomy	50
in capsule with iridectomy and conjunctival flap	12
in capsule with iridectomy, conjunctival flap and suture	3
linear	31
linear with iridectomy	1
simple	3
unclassified	123
with iridectomy	176
with iridectomy and conjunctival flap	13
with iridectomy and conjunctival flap and suture	2
Discission	212
Removal of foreign body	2
Total	648

LIDS	
Canthotomy	3
Cauterization	4
Ectropion:	
Kuhnt	1
Snellen Suture	2
Entropion:	
Gaillard-Arlet	1
Green (modified)	3
Excision of angioma	1
Excision of chalazion	3
Excision of cyst	2
Excision of epithelium	1
Excision of neoplasm	2
Excision of papilloma	1
Excision of tumor	1
Extirpation of tarsus	4
Extirpation of wen of brow	1
Incision of abscess	4
Incision of hematoma	1

Plastic	26
Plastic with skin graft	1
Ptosis:	
Hess'	2
Mottais	1
Pagenstecher's Sutures	1
Removal of foreign body	2
Removal of verruca	1
Removal of xanthelasma	2
Slitting of canaliculus	1
Tarsorrhaphy	1
Total	73

MUSCLES	
Advancement of:	
external rectus	62
inferior rectus	1
internal rectus	17
Tenotomy of:	
external rectus	21
inferior oblique	2
internal rectus	77
superior rectus	1
Tucking of:	
external rectus	7
internal rectus	1
Total	189

ORBIT	
Excision of granuloma	1
Exenteration of orbit	1
Extirpation of neoplasm	1
Incision of abscess	1
Plastic	16
Plastic with skin graft	2
Removal of foreign body	1
Removal of glass ball	4
Removal of tumor	3
Total	30

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

SCLERA		MISCELLANEOUS	
La Grange operation	6	Attempted removal of foreign	
Puncturing of sclera	6	body from globe	6
Removal of foreign body . . .	1	Choroidectomy	3
Removal of specimen for patho-		Incision of furuncle of thumb .	1
logical examination	1	Incision of paronychia of finger	1
Sclerectomy	1	Injection of salvarsan	1
Sclerotomy	6	Peritomy	1
<hr/>		Removal of foreign body from	
Total	21	anterior chamber	7
		Removal of foreign body from	
		globe	35
		Removal of foreign body from	
		vitreous	3
		<hr/>	
		Total	58
		Total operations	1,556

Out-Patient Operations

Conjunctival flap	1	Removal of foreign body of con-	
Ectropion		junctiva	119
Gaillard-Arlt	5	Removal of foreign body of	
Snellen Suture	4	cornea	1,679
Enucleation	2	Removal of foreign body of lid	128
Epilation by electrolysis . . .	9	Removal of foreign body under	
Excision of cyst of orbit . . .	1	conjunctiva	1
Excision of sebaceous cyst of lid	14	Removal of granulation tissue .	2
Extirpation of lacrimal sac . .	1	Removal of granuloma of lid .	2
Incision of abscess of brow . .	2	Removal of growth of lid . . .	2
Incision of abscess of lacrimal		Removal of milium	3
sac	25	Removal of papilloma of lid . .	1
Incision of abscess of lid . . .	31	Removal of tumor of semilunar	
Incision of abscess of orbit . .	2	fold	1
Incision of chalazion of lid . .	277	Removal of verruca	3
Incision of furuncle of lid . . .	1	Saemisch	2
Incision of hordeolum	121	Suturing of conjunctiva	1
Incision of vessicle of lid . . .	1	Suturing of lid	6
Paracentesis of cornea	2	Transplantation of pterygium .	33
Probing of lacrimal duct . . .	60	<hr/>	
Removal of cyst of socket . . .	1	Total	2,543

Report of Aural Department

House Operations

AURICLE

Aspiration of hematoma	2
Excision of wen of lobule	1
Incision of abscess	1
Incision of hematoma	2
Incision of sebaceous cyst	1
Incision for perichondritis	2
Plastic	2
Removal of supernumerary auricle	2
Total	13

MEATUS

Incision of abscess of canal	3
Incision of furuncle of canal	15
Plastic	1
Removal of foreign body	4
Removal of growth	1
Total	24

TYMPANUM

Incision of membrana tympani	38
Ossiculectomy	7
Ossiculectomy with curettage of middle ear cavity	1
Removal of polypus	45
Total	91

MASTOID REGION

Decompression	4
Evacuation of cerebellar abscess	1
Exploration for brain abscess	4
Exploration for brain abscess and drainage of abscess	1
Exploration of lateral sinus with ligation of jugular	3
Exploration for brain abscess with opening of sinus	1
Incision of postaural abscess	29

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

Ligation of jugular	12
Plastic for closure of postaural fistula	3
Radical mastoid	53
Radical mastoid with ligation of jugular	1
Radical mastoid with perisinus abscess	1
Radical mastoid with primary skin graft	12
Removal of granulations from middle ear	3
Removal of Keloid postaural	1
Simple secondary mastoid	47
Simple mastoid	400
Simple mastoid with Bezold's abscess	4
Simple mastoid with extradural abscess	1
Simple mastoid with ligation of jugular	10
Simple mastoid with perisinus abscess	4
Simple mastoid with postaural abscess	2
Skin graft	25
Total	622

NOSE, THROAT, AND PHARYNX

Bouginage of esophagus	1
Cleft palate operation	1
Closure of tracheal fistula	1
Correction of external deformity of nose	8
Esophagoscopy	6
Evacuation of temporo-sphenoidal abscess	1
Excision of tubercle of tragus	1
Exenteration of ethmoids	57
Exenteration of nasal sinuses	1
Incision of abscess of palate	1
Incision of abscess of septum	1
Incision of abscess of submaxillary gland	1
Incision of hematoma of septum	1
Incision of peritonsillar abscess	3
Intranasal dacryocystotomy	7
Intranasal frontal sinus	1
Killian operation	1
Opening of sphenoid	8
Plastic for external deformity of nose	5
Plastic posterior cleft of soft palate	1
Puncturing and irrigating of antrum	79
Radical antrum	33
Radical antrum (Denker)	1
Radical frontal	11
Removal of adenoids	296

REPORT OF THE AURAL DEPARTMENT

Removal of carcinoma of antrum	1
Removal of carcinoma of nose	1
Removal of fibroma from nose	1
Removal of foreign body from esophagus	1
Removal of hemangioma of naso-antral wall	1
Removal of papilloma of larynx	1
Removal of papilloma of palate	1
Removal of papilloma of vocal cords	1
Removal of polyp of nose	12
Removal of polyp of vocal cord	1
Removal of post-nasal tumor	1
Removal of spur of septum	2
Removal of tonsils	219
Removal of tonsils and adenoids	1,922
Removal of tumor from nasopharynx	2
Removal of tumor from pharynx	1
Removal of tumor from septum	2
Removal of wen from nose	1
Resetting of nose	1
Submucous resection of septum	344
Tracheotomy	1
Turbinectomy	27
Turbinotomy	27
Total	3,098

MISCELLANEOUS

Anastomosis, facial and hypoglossal	1
Arthroclasis	1
Arthrotomy	1
Dissection of glands of neck	1
Evulsion of 8th nerve	1
Excision of cervical glands	1
Extraction of teeth	21
Incision of abscess of face	1
Incision of abscess of jaw	3
Incision of abscess of neck	2
Incision of cervical glands	4
Incision of parotid gland	1
Injection of salvarsan	6
Removal of dentigerous cyst of face	1
Removal of stone from Wharton's Duct	
Vaccination	1
Total	46
Total operations	3,894

Out-Patient Operations

Aspiration of tumor of ear	1
Cauterization of turbinate	9
Curettage of ethmoidal cells	2
Cutting of nasal synechia	2
Dissection of cyst of auricle	3
Excision of cyst behind ear	1
Incision of abscess of auricle	1
Incision of abscess of canal	376
Incision of abscess of face	1
Incision of abscess of lobule	4
Incision of abscess of mastoid wound	1
Incision of abscess of septum	2
Incision of boil on scalp	2
Incision of cyst of lobule	3
Incision of furuncle on ear	4
Incision of furuncle on nose	1
Incision of hematoma of ear	3
Incision of new growth of ear	1
Incision of nipple on drum	3
Incision of peritonsillar abscess	10
Incision of postauricular abscess	1
Incision of postauricular cyst	1
Incision of subauricular abscess	1
Incision of uvula	1
Incision of wen	2
Opening of antrum	148
Paracentesis of membrana tympani	2,468
Puncturing of bleb of ear	4
Probing of fistula	1
Resetting of nose	3
Removal of foreign body from ear	35
Removal of foreign body from nose	2
Removal of foreign body from throat	1
Removal of foreign body from tonsil	2
Removal of foreign body from vocal cord	1
Removal of granulations from canal	1
Removal of polyp from ear	19
Removal of polyp from nose	40
Removal of polyp from turbinate	1
Removal of sebaceous cyst of ear	1
Removal of spur of septum	1
Removal of wen	3

REPORT OF THE AURAL DEPARTMENT

Submucous resection of septum	141
Turbinectomy	1
Turbinotomy	25
	<hr/>
Total	3,334

Table of Diseases

Compiled from Records

	HOUSE	OUT- PATIENT
SECTION I		
Specific Infectious Diseases. General Diseases.....	254	338
SECTION II		
Diseases Due to Animal Parasites	4	6
SECTION III		
Diseases of Metabolism.....	7	7
SECTION IV		
Diseases Peculiar to Infancy.....	138	74
SECTION V		
Diseases Due to Physical Agents.....	4	18
SECTION VI		
Poisonings. Intoxications.....	1	2
SECTION VII		
Tumors, Benign and Malignant.....	139	773
SECTION VIII		
Congenital Malformations	17	23
SECTION IX		
General Injuries and Diseases of Skin and Subcutaneous Tissue.....	6	26
SECTION X		
Special Skin Diseases.....	25	460
SECTION XI		
Diseases of the Circulatory System.....	6	82
SECTION XII		
Diseases of the Lymphatic System.....	11	114
SECTION XIII		
Diseases of the Blood.....	1	4
SECTION XIV		
Diseases of the Ductless Glands.....		18

TABLE OF DISEASES

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SECTION XV		
Diseases of the Nervous System	57	275
SECTION XVI		
Diseases of the Bones, Joints, Muscles, Tendons, and Fascia	9	40
SECTION XVII		
Diseases and Injuries of the Eye and Ear:		
Diseases of the Eye	2,455	26,529
A. General	279	14,066
B. Lids	68	1,899
C. Lacrimal apparatus	79	377
D. Conjunctiva	142	3,187
E. Cornea	436	3,393
F. Anterior chamber	18	150
G. Sclera	20	92
H. Lens	838	1,058
J. Uveal tract	26	63
1. Iris	149	374
2. Ciliary	11	14
3. Choroid	11	160
K. Retina	28	164
L. Vitreous	13	233
M. Optic Nerve	35	218
N. Eyeball	150	257
O. Orbit	11	11
P. Disturbances of Motion	141	813
Diseases of the Ear	952	10,810
Q. General	1	29
R. Auricle	16	63
S. External Auditory Canal	48	3,895
T. Eustachian Tube		16
V. Middle Ear and Mastoid	877	6,792
W. Internal Ear	10	15
SECTION XVIII		
Diseases of the Nose and Accessory Sinuses	759	2,159
SECTION XIX		
Diseases of the Mouth, Lips, Cheeks, Pharynx, Tonsils, and Palate	2,471	3,758
SECTION XX		
Diseases of the Jaw, Teeth, and Gums	16	127
SECTION XXI		
Diseases of the Tongue		2

MASSACHUSETTS CHARITABLE EYE AND EAR INFIRMARY

	HOUSE	OUT- PATIENT
SECTION XXII		
Diseases of the Esophagus.....	4	4
SECTION XXIII		
Diseases of the Stomach.....	2	
SECTION XXIV		
Diseases of the Intestines.....	2	
SECTION XXV		
Diseases of the Liver and Gall Ducts.....		3
SECTION XXIX		
Diseases of the Larynx.....	1	36
SECTION XXX		
Diseases of the Trachea and Bronchi.....	1	5
SECTION XXXI		
Diseases of the Lungs.....	1	
SECTION XXXIII		
Diseases of the Kidney and Ureter.....	6	5
SECTION XXXIV		
Diseases of the Bladder.....	1	
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Diseases of the Male Generative Organs.....	2	
SECTION XL		
Anaphylaxis.....		1
SECTION XLI		
Ill-Defined or Unclassified Diseases.....	58	706
Totals,.....	7,410	46,405

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the sum of dollars, to be applied to the
uses of said Infirmmary.*

